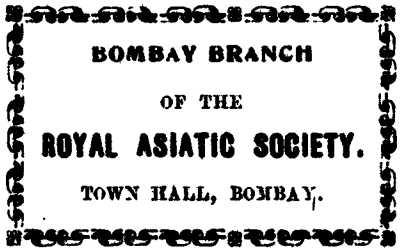
Veterinary College,
Bombay.
Report
1894-95 to 1905-06

1894-95 to 1905-06

00133481



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REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1894-95.

133481

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1895.

[Price—4 Annas.]

BOMBAY BRANCH
OF THE
Royal Asiatic Society.
CLASS

00133481

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1894-95.

I.J.A.-37

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1895.

No. 342 of 1895.

From

JAMES MILLS, M.R.C.V.S., J.P., F.B.U., Vety. Capt., A. V. D.,
Principal, Bombay Veterinary College;

To

K. M. CHATFIELD, Esq., M.A.,
Director of Public Instruction, Poona.

Bombay Veterinary College,
Parel, 15th May 1895.

Sir,

I have the honour to submit the ninth Annual Report of the Bombay Veterinary College dealing with the work of the official year ending 31st March 1895. Embodied in the report will be found a brief outline of the duties performed in connection with the Bái Sákarbái Dinshaw Petit Hospital for Animals for the year ending 31st December 1894.

Professional Examinations.

2. The professional examinations commenced on 16th April 1894 and terminated on 26th of the same month. The Board consisted of the following gentlemen :—

President.

Veterinary Captain J. W. A. Morgan, Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Veterinary Captain R. W. Burke, A. V. D.

M. G. Deshmukh, Esq., M.D., B.A., B.Sc.

Veterinary Lieutenant H. T. Pease, Acting Assistant Professor, B. V. C.

N. D. Dhákmárwála, Esq., G.B.V.C., Resident Veterinary Officer and Lecturer on Anatomy, B. V. C.

V. E. Vakhária, Esq., G.B.V.C., Lecturer on Chemistry, B. V. C.

Secretary.

Veterinary Captain James Mills, A. V. D., Principal, B. V. C.

The final meeting of the Board took place on 26th April, when the results were declared which will be found in Appendix A. The prizes were at the same time awarded—*vide* Appendix B. The Board expressed its opinion that it would be advisable to institute a four-years' course at the College.

It will be seen from Appendix A that 20 candidates passed in the three classes out of the 35 that presented themselves for the examinations. The percentage of passes is 57·14 this year against 75·67 and 47·4 in 1893 and 1892 respectively.

Number of, and changes in, students.

3. On the 1st April 1894 there were 48 students on the College rolls. There were 21 fresh entries during the year as against 26 in 1893-94 and 14 in 1892-93, 2 in Class C under concessions, 1 in Class B, and 18 in Class A. Eleven students left the College, 4 of whom graduated; 2 from Class C and 2 from Class A discontinued their studies because of their frequent failures; 2 from Class A owing to their inability to maintain themselves while at the College, and 1 died—a Pársi. Out of 21 students that joined during the year, 7 belonged to other presidencies, 2 from Madras, 1 from Ceylon, 1 from Bangalore, 1 from Mangalore, 1 from Mysore, and 1 from Mussooree. The changes in the number of students are shown in Appendix C. Mr. J. Sheehy, Commandant, Bombay Mounted Police, attended as a casual student during the year.

Information relating to Students.

4. Appendix D shows the number of students of different nationalities on the College rolls during the year under report. In the new admissions there were 3 Europeans, 3 Portuguese or Native Christians, 1 Pársi, 2 Mahomedans and 12 Hindus. Appendix E shows the number of students attending supported by Local Boards, Native States, &c. The number of students that attended under this heading was 16, which shows an increase of 5 over that of the previous year. Of these 16 men, 9 were Hindus, 4 Mahomedans, 1 European, 1 Native Christian, and 1 Jew.

Employment of Graduates.

5. Out of the four men that obtained the diploma this year, one established himself as a private practitioner at Madras. The remaining three got employment—one in Colombo as Acting Colonial Veterinary Surgeon; one as Veterinary Officer, Jodhpur State, on a salary of Rs. 150; and one as Assistant Veterinary Officer at the College. The appointments of Itinerating Veterinary Officer in the Shikárpur and Násik Districts, of two lecturers in the Bengal Veterinary Institute and of Veterinary Officer in charge of Surat Veterinary Dispensary, were also filled up by graduates of this College. The appointment of Assistant Superintendent at the Rajputána Veterinary School was given to a graduate for a period on probation, but at the termination of the period he had to vacate the appointment for want of funds. Applications for graduates have been received from the Straits Settlements and Janjira State. Negociations for filling the appointments of graduates in charge of Dhárwár and Sholápur Veterinary Dispensaries have been going on.

Cattle disease repression.

6. Mr. R. N. Sané, G.B.V.C., was deputed to Kárwár and Ratnágiri Districts where rinderpest broke out. Mr. Serájudin Khán, G.B.V.C., was deputed to Ahmedabad, where cattle disease existed, to do duty for the permanent incumbent of this district who was sick.

It was also reported that cattle disease broke out in Jhinjhuváda State (Káthiáwár), but the assistance of a graduate was not considered necessary.

Extra duties.

7. The following extra duties were performed:—

(*a*). Advised the Commissioner of Police in regard to the working of Act XX of 1879—Glanders and Farcy.

(*b*). Examined horses as to soundness for the Mounted Police, and supervised their treatment and shoeing. Also investigated an outbreak of "Surra" amongst these horses.

(*c*). Advised as to the management and treatment of animals at the Victoria Gardens in the capacity of Honorary Veterinary Surgeon.

(*d*). Inspected horses in the Bombay stables, at the Harbour and Lazaretto.

(*e*). Gave advice upon and investigated rabies that occurred at Alibág.

(*f*). Acted as Examiner at the Bombay University in Veterinary Medicine and Surgery for the Diploma in Agriculture.

(*g*). Examined specimens of blood, &c., sent from Khárághoda and other places.

(*h*). Conducted experiments with an indigenous drug, *Adhatoda vasica*.

Teaching Staff.

8. Veterinary Lieutenant H. T. Pease, A. V. D., Assistant to the Inspector General, Civil Veterinary Department, who was appointed to perform the duties of Assistant Professor, in addition to his own, relinquished charge of his duties here on 28th June 1894, and left for Europe on six months' leave. Mr. N. D. Dhákmárwála, G.B.V.C., was gazetted sub-*pro tem*. Resident Veterinary Officer and Assistant Professor from 29th idem. Mr. Serájudin Khán was appointed sub-*pro tem*. Instructor in Anatomy and Physiology from the same date in place of Mr. Dhákmárwála. But the Government of India having sanctioned the appointment of a Covenanted

Veterinary Officer of the Civil Veterinary Department to fill the post of Resident Veterinary Officer, and Assistant Professor, Veterinary Lieut. E. W. Larnder, A. V. D., took charge of the appointment on 9th August last from Mr. Dhákmárwála, who reverted to his former appointment and relieved Mr. Serájudin Khán. The designation of Resident Veterinary Officer and Assistant Professor has been changed to that of Assistant Principal. Mr. Dhákmárwála continued to discharge the duties of Resident Veterinary Officer throughout the year.

A competent Native Farrier, Máruti Náráyan Sarvade, who is able to teach, has been engaged as Farrier and Instructor in Shoeing on a monthly salary of Rs. 60, rising to Rs. 80.

The College staff performed their duties to my satisfaction.

Branches of Study.

9. *Anatomy and Surgery.*—Sixteen horses were procured during the year for operations on the dead subject and for dissection. It is under the consideration of Government to build a dissecting and post mortem room at the Sewri Lazaretto.

Hygiene.—The Commissariat Department this year also kindly lent mules and pack saddles for teaching purposes. Mr. J. Sheehy, Commandant, Mounted Police, Bombay, gave instruction in pack saddle fitting, and the handling of transport mules, to the senior students. Government sanctioned an honorarium of Rs. 40 to be given to Mr. Sheehy for this extra duty.

The Management of Dairy, Work Cattle, &c.—Government in their Resolution No. 2565, dated 4th December 1894, Educational Department, sanctioned, at my recommendation, that a course of lectures be delivered by Mr. Mollison, Superintendent of Government Farms. Accordingly, in the month of December last, the senior students were sent to the Government Farm, Kirkee, for this purpose. He delivered 25 lectures on the following subjects :—

(*a*) The principles of breeding farm animals, especially in reference to cattle and sheep.

(*b*) The management and feeding of milch cattle, work cattle, and young stock in India.

(*c*) The breeding, feeding, and general management of sheep and goats in India.

(*d*) The natural conditions requisite on a breeding farm; the arrangements of byres and buildings. Farm-yard manure, and the conditions on which its value depends. Proper methods of storing the solid and liquid excrement of farm animals in India.

(*e*) The food of farm animals; identification of the ordinary food given to farm animals in India. Their commercial and relative feeding values, and nutrient ratio. The economical mixing of food, and economical preparation of food by chopping, boiling, steaming, crushing, &c.

(*f*) Ensilage and hay-making. The manner in which fodder should be cured and stored.

(*g*) The cultivation of lucerne and guinea-grass. The various sorghums and millets, maize, &c., all as green fodders.

(*h*) The characteristics, &c., of the indigenous breeds of cattle and of buffaloes. The adaptability of each breed for certain purposes.

(*i*) Water lifts and methods of irrigation.

(*j*) Milk and the manufacture of milk products.

I cannot speak too highly of the value of this interesting and profitable course delivered by Mr. Mollison. He is, in my opinion, a gentleman of rare practical attainments, and I consider that it would be to the material advancement of veterinary education were he to be made one of the permanent staff of the College.

Surgery.—The senior students were taken several times to the Sewri Lazaretto to see cases, to be taught operations on the dead subject, and to receive lectures on Operative Surgery.

Sir Dinshaw Maneckji Petit Patho-Bacteriological Laboratory.—This Laboratory has proved of great value for the instruction of students and the investigation of disease. Many specimens of blood, &c., were examined. The windows of the second floor of the Laboratory building were provided with weather boards at a cost of Rs. 225.

Excursions.

10. This year the senior students were twice taken on excursions. Once to Poona, and Ahmednagar Depôt, and at another time to Bulsár. On both occasions I accompanied them and gave demonstrations. The students were taken also to Bandora Slaughter-houses. Excursions to the Victoria Gardens were conducted under the supervision of the Lecturer on Botany.

Physical Training.

11. Riding is becoming popular with the students and the class was conducted under the supervision of Captain Leveson Gower, Commanding His Excellency the Governor's Body Guard. Every encouragement continues to be given to students to practise physical exercise and to play out-door games.

Museum and Library.

12. Many valuable specimens have been added to the Museum and several new works purchased for the Library. The periodicals we are now receiving are forming a valuable addition to the stock of Veterinary and Scientific Literature in the Library.

Donors of prizes.

13. The following gentlemen should be thanked for their liberality in contributing to the College prize list :—

Sir Dinshaw Maneckji Petit, Bart.
Veterinary Lieutenant-Colonel J. H. B. Hallen, C.I.E.
Veterinary Captain J. W. A. Morgan.
M. G. Deshmukh, Esquire, M.D., B.Sc., B.A.
Veterinary Captain R. W. Burke.
Mr. N. D. Dhákmárwála, G.B.V.C.
Sah Man Mull, Madras,

Messrs. Ludha Ebrahim & Co., Bombay, and Mr. Umer Jámal, horse-dealer in Bombay, should also be thanked for their liberality in awarding scholarships to Muhamaden students. I have continued my two scholarships.

Visitors.

14. His Excellency Lord Sandhurst visited the College and Hospital. He was conducted over the institutions by the Principal.

The following gentlemen also visited the College :—

Sir Edward Buck, Kt.
Veterinary Lieutenant-Colonel J. H. B. Hallen, C.I.E., I. G. C. V. D.
Veterinary Lieutenant-Colonel A. E. Queripel., I. G. C. V. D.
Veterinary Lieutenant J. Loughlin,
Brigade-Surgeon Lieutenant-Colonel Colin William MacRury.
J. O. Miller, Esquire, Director of Land Records and Agriculture,
Dr. A. Lingard, Imperial Bacteriologist,
Framji Dinshaw Petit, Esquire.

Hospital.

15. The records of the Hospital give the following information relative to patients, &c. :—

(*a*). *In-patients.*—1,766 cases were admitted in 1894 as compared with 1,541 in 1893, showing an increase of 225. The various classes of animals admitted were as follows :—Horses 434, cattle 985, dogs 347. The daily average was 157, showing a decrease of 8 as compared with last year.

(*b*). *Out-patients.*—558 were treated during 1894, showing a decrease of 50 as compared with last year.

(*c*). *Mortality* for 1894 in horses was at the rate of 6 per cent., in cattle 4 per cent. and in dogs 38 per cent.

(*d*). *Buildings.*—A loose box, the gift of Messrs. Dharamsi Sunderdáss and Gordhandáss Sunderdáss, for the treatment of tetanus cases is being constructed under the supervision of Ráo Sáheb Elláppa Bálárám, J. P., according to a design drawn up by me.

(*e*). *Management.*—The Manager and Assistant Manager have afforded me every satisfaction in the work of the hospital.

Committee.

16. The Committee appointed to consider the question of the removal of the College to Poona, recommended that it should remain in Bombay, and its recommendation was accepted by Government.

Buildings.

17. The sum of Rs. 1,707-5-5 was spent on buildings and repairs during the year. Weather-boards for the windows of the second floor of the Sir Dinshaw Máneckji Petit, Patho-Bacteriological Laboratory, were provided. The bullock trevis has been renewed. The horse trevis has been removed to a more convenient spot. The plinth of the space of ground at the back of the Chemical Laboratory has been raised so as to form an exercising ground for horses.

It is under the consideration of Government to erect quarters for an European Resident Veterinary Officer in or near to the College compound.

Proposals have been made to remove the Pharmacy from its present position, in the Farrier's quarters, to the north-east corner of the main College building, as being more convenient and more under the direct supervision of the officer on duty.

Financial Statement.

18. Appendix F is the financial statement for the year under report, from which it will be seen that the total expenditure has been Rs. 37,326 as against Rs. 28,677 and Rs. 29,548 in the years 1893-94 and 1892-93 respectively. The increase in expenditure is due to higher pay and house-rent allowance required for the Assistant Principal, exchange compensation allowance to officers, and to additional sanctioned expenditure under the following heads:—Books and Periodicals, Rs. 150; Purchase of subjects for dissection purposes, &c., Rs. 300; Charge for instruction in the management of dairy and work cattle, Rs. 500. Deducting actual receipts, a net expenditure of Rs. 32,420 was incurred during this year as against Rs. 24,427 in the previous year. A revised scale of pay has been sanctioned for menial servants and a forge-boy entertained.

Literary.

19. I have published a second edition of my book, Plain Hints on the Diseases of Cattle in India, and Mr. Dhákmárwála, Lecturer on Anatomy, has published a Manual on Demonstrations in the Modes of Handling and Examining Horses.

I have the honour to be,

Sir,

Your most obedient Servant,

JAMES MILLS, Vety. Capt., A. V. D.,

Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Examinations, April 1894.

Examination.	First Class.	Second Class.	Pass.	Total of Candidates.		Percentage of Passes.
				Examined	Passed.	
First Professional	1	5	1	13	7	53·84
Second Professional ...	1	6	2	12	9	75·
Third Professional	...	4	...	10	4	40·
Total ...	2	15	3	35	20	57·14

JAMES MILLS, Vety. Capt., A. V. D.,
Principal, Bombay Veterinary College.

15th May 1895.

APPENDIX B.

Return of Prizes, &c., awarded to Students of the Bombay Veterinary College for 1894-95.

No.	Subject.	Nature.	Value.	Successful Candidates.	Donor's Name.
			Rs.		
1	Best Practical man, Class C.	Money	100	Serájudin Khán	Veterinary Lieutenant-Colonel J. H. B. Hallen, C.I.E.
2	Best Hindu, Class C.	Silver Medal	15	R. N. Sáne...	M. R. Ry. Sah Man-Mull.
3	Best Operator, Class C.	Books and Instruments ...	30	Serájudin Khán	Veterinary Captain J. Mills.
4	Best man in Soundness, Class C. ...	Silver Medal	15	W. A. DéSilva	Government.
5	Best Student in Breeding and Obstetrics, Class C.	Books and Instruments ...	32	W. Robertson	Veterinary Captain J .W. A. Morgan
6	Best Student in Shoeing, Class C. ...	Instruments	25	W. Robertson	Veterinary Captain J. Mills.
7	Best Student, Class B.	Books and Instruments ...	40	G. D'Silva	Sir D. M. Petit, Bart.
8	Best Student in Medicine and Surgery, Class B.	,, ,, ...	20	Y. B. Bhagwat	Veterinary Captain J. Mills.
9	Best Student in Anatomy and Physiology, Class B.	,, ,, ...	15	G. D'Silva	N. D. Dhákmárwála, Esq.
10	Best Student, Class A.	,, ,, ...	20	H. Foy	Sir D. M. Petit, Bart.
11	Best Student in Handling of Animals, Class A.	Steel Silver Medal ...	15	H. Foy	Steel Memorial Committee.
12	Best Student in Anatomy and Physiology, Class A.	Books and Instruments ...	10	H. Foy	N. D. Dhákmárwála, Esq.
13	Best Student in Chemistry, Class A. ...	,, ,, ...	15	H. Foy	M. G. Deshmukh, Esq., M.D. B.Sc., B.A.
14	Best Student in Botany	,, ,, ...	15	H. Foy	Veterinary Captain Burke.
15	Results of Examinations	Government Scholarships ...	Each 60	*Class* B— G. D'Silva, S. R. Jalihal, R. J. Ghosla and C. Engel. *Class* A— H. Foy, C. Buckel, S. E. Benjamin, A. J. Boyce, W. R. Moodliar and A. I. Shaikh.	

15th May 1895.

JAMES MILLS, Vety. Capt., A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX C.

BOMBAY VETERINARY COLLEGE.

Return showing changes in the number of Students in 1894-95.

lass.	Number of Students on 1st April 1894.	Withdrawals.		Entries.		Number of Students on 1st April 1895.	Remarks.
		Number of Students left the College.	Number of Students transferred.	Number of Students transferred.	New Entries.		
Class C.	10	6	...	9	2	15	
Do. B.	12	...	9	7	1	11	
Do. A.	26	5	7	...	18	32	
Total ...	48	11	16	16	21	58	

JAMES MILLS, Vety.-Capt., A. V. D.,
Principal, Bombay Veterinary College.

15th May 1895.

APPENDIX D.

BOMBAY VETERINARY COLLEGE.

Table showing the Number and Nationality of Students for the year 1894-95.

Caste.	Paying.	Native States.	Government Free.	Municipal Free.	Total.	Remarks.
Class C.						
European and Eurasians .	1	...	3	...	4	
Muhamadens	...	1	...	...	1	
Pársis	1	...	...	...	1	
Jews	1	...	...	...	1	
Hindus	1	4	3	...	8	
Total ...	4	5	6	...	15	
Class B.						
Europeans and Eurasians .	2	...	...	...	2	
Portuguese and Native Christians.	1	1	...	...	2	
Muhamadens	...	1	...	...	1	
Pársis	1	...	...	...	1	
Jews	...	1	...	...	1	
Hindus	...	2	1	1	4	
Total ...	4	5	1	1	11	
Class A.						
Europeans and Eurasians .	1	1	3	...	5	
Portuguese and Native Christians.	2	...	...	...	2	
Muhamadens	...	2	...	1	3	
Pársis	1	...	1	...	2	
Hindus	15	3	1	1	20	
Total ...	19	6	5	2	32	
Grand Total ...	27	16	12	3	58	

JAMES MILLS, Vety.-Capt., A. V. D.,
Principal, Bombay Veterinary College.

15th May 1895.

APPENDIX E.

Return showing Caste and Number of Students from Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1894-95.

Province, Presidency or State.	Number of Hindus.	Number of Mahomedans.	Number of Europeans.	Number of Native Christians.	Number of Jews.
Berárs, Nizam's State	1	...	...	...	...
Junágadh State	1	1	...	...	...
District Local Board, Shikárpur	...	...	...	...	1
District Local Board, Hyderabad	...	1	...	...	...
District Local Board, Thar and Párkar ...	...	1	...	...	...
Kolhápur State	1	...	...	...	...
Bhávnagar State	1	...	1	...	...
Dhrángadhra State	1	...	...	...	...
Ceylon Government	...	...	...	1	...
Rájpipla State	1	...	...	...	...
Mángrol State	1	...	...	...	...
Pálitána State	1	...	...	...	...
Madras Government	1	1	...	....	...
Total ...	9	4	1	1	1

JAMES MILLS, Vety. Capt., A. V. D.,
Principal, Bombay Veterinary College.

15th May 1895.

APPENDIX F.

Financial Statement of the Bombay Veterinary College for 1894-95.

Income — Heads.	1893-94. Rs. a. p.	1894-95. Rs. a. p.	Expenditure — Heads.	1893-94. Rs. a. p.	1894-95. Rs. a. p.
From Government Salaries—					
Teaching staff	20,760 0 0	20,760 0 0	Teaching Staff	19,719 7 9	25,771 10 3
Establishment	1,608 0 0	2,064 0 0	Establishment	1,708 2 1	2,138 6 3
Contingent	928 0 0	1,310 0 0	Contingent expenditure	797 14 1	1,278 8 5
Scholarships	900 0 0	900 0 0	Scholarships	900 0 0	900 0 0
Chemicals, &c.	200 0 0	200 0 0	Chemicals, &c.	201 13 10	203 [illegible]
Examiners' fees	300 0 0	300 0 0	Examiners' fees	243 12 0	399 0 0
Riding fees	300 0 0	300 0 0	Riding fees	416 0 0	256 0 0
House-rent allowance	1,020 0 0	1,020 0 0	House-rent allowance	897 2 8	1,124 8 3
Books, periodicals, &c.	138 0 0	488 0 0	Travelling allowance	861 3 0	234 4 0
Travelling allowance to officers	200 0 0	200 0 0	Furniture and apparatus	521 12 9	573 6 0
Furniture and apparatus	544 0 0	394 0 0	Buildings and repairs	846 11 1	1,707 5 5
Buildings and repairs	849 0 0	1,708 0 0	Conveyance allowance	420 0 0	420 0 0
Conveyance allowance to Principal	420 0 0	420 0 0	Books, periodicals, &c.	243 6 0	474 0 3
Excursion charges	.....	500 0 0	Honorarium to three Assistant Veterinary Officers	900 0 0	900 0 0
Honorarium to three Assistant Veterinary Officers	900 0 0	900 0 0	Excursion charges	.....	405 6 0
Charges for instruction in dairy, work cattle, &c.	.....	500 0 0	Charges for instruction in pack saddle, &c.	.....	40 0 0
From Bombay Municipality	*2,500 0 0	*2,500 0 0	Charges for instruction in dairy, work cattle, &c.	.....	500 0 0
From Students' Fees	*1,710 0 0	*2,310 0 0			
From rent of Students' Quarters	*40 0 0	*96 0 0			
Total	33,317 0 0	36,870 0 0	Total	28,677 5 3	37,326 2 0

Note.—The items makred * show actual receipts, while the other items merely denote the budget provision.

15th May 1895.

JAMES MILLS, Vety. Capt., A. V. D.,
Principal, Bombay Veterinary College.

Administration Reports.—
Bombay Veterinary College.
Report of the Principal of the — for the year 1894-95.

Educational Department.
No. 1523.

Bombay Castle,
9th August 1895.

Letter from the Director of Public Instruction, No. 1696, dated the 22nd June 1895.

Submitting, with reference to this Department No. 1189, dated the 19th June 1895, a copy of the Report of the Bombay Veterinary College for the year 1894-95, and stating that the report is satisfactory.

RESOLUTION.—It is satisfactory to find that, for the second year in succession, there was a net increase of 10 in the number of students, and that at the close of the year there were 58 on the rolls, a higher number than in any year since the gradual decrease set in, in 1889-90. There was also an increase (from 11 to 16) in the number of students supported by Local Boards and other Governments. Government observe with satisfaction that all the 4 men who obtained diplomas during the year under review, speedily found suitable employment, and that, in the course of the year, several other veterinary appointments were filled by graduates of the College.

2. On the other hand, there was a decrease from 75·67 to 57·14 in the percentage of candidates successful at the examinations, and it appears that the percentage was lowest among the candidates for the final examination, of whom only 4 passed out of 10 examined. It was unfortunate that many unavoidable changes were made in the personnel of the Assistant Professor, whose designation has now been changed to that of Assistant Principal.

3. There was a striking increase, viz., from Rs. 28,677 to Rs. 37,326 in the gross expenditure, due chiefly to the grant of exchange compensation and to an increase in the allowances of the Assistant Principal. The so-called Statement of income in Appendix F is not quite clear. If it was desired to institute a comparison between Budget provision and actual expenditure, this could have been done in express terms: but no object is apparently served by classing the Budget provision for expenditure as the "Income" of the year.

4. Government are glad to learn that the College staff continued to give satisfaction to the Principal and that, in the opinion of Veterinary Major Mills, Mr. Mollison's course of lectures was profitable to the students. The administration of Veterinary Major Mills has continued to be successful.

J. DEC. ATKINS,
Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,

} With copies of the Report.

The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Pálanpur,
The Political Superintendent, Sávantvádi,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Survey Commissioner and Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Judicial Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Editors' Table, Bombay,
The Editors' Table, Poona (*care of* the City Magistrate, Poona),
The Editor and Proprietor, *Dhárwar Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum, *care of* the Secretary to the Belgaum Municipality,
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press (with a request that the copies of the Report required by this Department may be sent as soon as possible),

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Secretary of State for India,
The Officer in charge, Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1895-96.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1896.

[Price—4 Annas.]

REPORT

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No. 410 OF 1896.

FROM

JAMES MILLS, M.R.C.V.S., J.P., F.B.U., Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College;

To

K. M. CHATFIELD, Esq., M.A.,
Director of Public Instruction, Poona.

Bombay Veterinary College,
Parel, 8th May 1896.

SIR,

I have the honour to submit the tenth Annual Report of the Bombay Veterinary College, dealing with the work of the official year ending 31st March 1896. Embodied in the report will be found a brief outline of the duties performed in connection with the Bái Sákarbái Dinshaw Petit Hospital for Animals for the year ending 31st December 1895.

Professional Examinations.

2. The professional examinations commenced on the 19th April 1895 and terminated on the 29th of the same month. The Board consisted of the following gentlemen :—

President.

Veterinary-Captain J. W. A. Morgan, A. V. D., Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Veterinary-Captain H. M. Maxwell, A. V. D., Superintendent, Civil Veterinary Department, Beluchistan.

Veterinary-Captain H. T. Pease, F.Z.S., A. V. D., Assistant to the Inspector General, C. V. D.

M. G. Deshmukh, Esq., M.D., B.A., B.Sc.

Veterinary-Lieutenant E. W. Larnder, A. V. D., Assistant Principal, B. V. C.

N. D. Dhákmárvála, Esq., G.B.V.C., Lecturer on Anatomy, B. V. C.

V. E. Vakhária, Esq., G.B.V.C., Lecturer on Chemistry, B. V. C.

Secretary.

Veterinary-Major J. Mills, A. V. D., Principal, B. V. C.

The final meeting of the Board took place on the 29th April, when the results were declared, which will be found in Appendix A. The prizes were at the same time awarded—*vide* Appendix B. The Board recommended that in future 33 per cent. of marks should necessarily be obtained by a candidate going up for the Third Professional Examination in the practical part of each subject, This recommendation was sanctioned by Government in their Resolution. Educational Department, No. 1284, dated 3rd July 1895.

It will be seen from Appendix A that 37 Candidates passed in the three classes out of the 51 that presented themselves for the examinations. The percentage of passes is 72·54 this year as against 57·14 and 75·67 in 1894 and 1893 respectively.

Number of, and changes in, students.

3. On the 1st April 1895 there were 58 students on the College rolls. There were 21 fresh entries during the year as against 21 in 1894-95, and 26 in 1893-94, 1 in Class C, 1 in Class B, were under concession, and 19 in Class A. Sixteen students left the College, 9 of whom graduated ; 1 from Class C, 1 from Class

B, and 1 from Class A, discontinued their studies on account of their frequent failures; 1 from Class A and 1 from Class B, in order to seek some other avocation; 1 in Class A owing to his inability to maintain himself, while at the College; and 1, a Hindu, in Class A died from cholera. The changes in the number of students are shown in Appendix C. Out of 21 students that joined during the year, 3 belonged to other presidencies, 2 from Madras, and 1 from Mangalore. Out of the remaining 18, 5 are the subjects of Native States, and 1 belongs to Sind.

Information relating to students.

4. Appendix D shows the number of students of different nationalities on the College rolls during the year under report. In the new admissions, there were 2 Europeans or Eurasians, 5 Portuguese or Native Christians, 3 Pársis, 2 Mahomedans, and 9 Hindus. Appendix E shows the number of students attending supported by Local Boards, Native States, &c. The number of students that attended under this head was 13, a decrease of 3 as compared with last year. Of these 13 men, 7 were Hindus, 3 Mahomedans, 1 European, 1 Jew, and 1 Native Christian.

Employment of Graduates.

5. Out of the nine men that obtained the diploma this year, one got employment under the Government of the Straits Settlements at Singapore, but returned as the appointment did not suit him; two are serving as Stock Inspectors in Madras; one as Veterinary Assistant, Berárs, C. P.; one at Morvi; one at Gwálior; one as Assistant Veterinary Officer at the College for some time and then as Itinerating Veterinary Inspector under Act XX of 1879 (Glanders and Farcy); one as an Assistant at Messrs. Stephens and Sons, Veterinary Surgeons; and one as a probationer in the Civil Veterinary Department, at Babugarh, North-West Provinces. The appointment of Veterinary Officer, Janjira State was for a time filled during the year by a graduate of this College, but he had to return as the terms given to him by the State were not sufficiently liberal. The Junágad State has opened a Veterinary Dispensary at Verával, and placed a graduate in charge of it. The Dhárwár Local Board also employed one graduate to take charge of their dispensary. One graduate obtained an appointment at Baroda on a salary of Rs. 150. Applications for graduates have been received from the Local Boards of Kolába, Ratnágiri and Belgaum Districts, and also from the Native States of Bánsda and Cochin, and for the slaughter-houses at Poona, Surat and Ahmedabad, and the Bhágalpur Municipality. Government having sanctioned an increase in the staff under the Glanders and Farcy Act in Bombay, there will be an opening for four more graduates.

Cattle disease repression.

6. Mr. I. G. Joshi, G.B.V.C., was deputed to Shápur Táluka in Thána District and Dápoli Táluka of Ratnágiri District, where rinderpest and foot and mouth disease broke out. Mr. B. A. Jávle, G.B.V.C., was deputed to Anklesvar Táluka in Broach District in the month of February last, and continues on duty there.

On seeing the advantages of skilled veterinary aid, the District Local Board of Ratnágiri at once sanctioned the permanent appointment of a graduate, and I learn that the District Local Board of Broach is also contemplating to do the same.

Extra duties.

7. The following extra duties were performed:—

(*a*). Advised the Commissioner of Police in regard to the working of Act XX of 1879—Glanders and Farcy.

(*b*). Advised as to the management and treatment of animals at the Victoria Gardens in the capacity of Honorary Veterinary Surgeon.

(*c*). Inspected horses in the Bombay and Bándra stables, at the Harbour, and the Sewri Lazaretto.

(*d*). Acted as co-examiner at the Bombay University in Veterinary subjects for the Diploma, and 2nd in Agriculture examinations.

(*e*). Treated sick animals belonging to the Commissariat Department.

(*f*). Deputed by Government to attend as a Judge at the Chinchli Horse Show in the Kolhápur State.

(*g*). The Government of India having delegated to this Department the duties of receiving and despatching stallions imported for the Civil Veterinary Department, 24 horse and 19 donkey stallions were recieved during the year. Eighteen of the horse stallions were located at Government house stables at Parel, as there were some cases of "Surra" standing in the Hospital at the time. The landing, despatching, feeding, care and treatment of these stallions has entailed a considerable amount of extra labour, not only upon me, but on the whole College staff, and has caused a deal of extra correspondence with the Inspector-General, Civil Veterinary Department, Superintendent, Civil Veterinary Department, Bombay Presidency, and other officers and private bodies. On most occasions, I attended personally at the time of landing and despatching the animals.

Teaching Staff.

8. Having completed 20 years' service on the 23rd June 1895, I was promoted to the rank of Veterinary Major. Veterinary-Lieut. E. W. Larnder, A. V. D., Assistant Principal, was appointed Acting Superintendent, Civil Veterinary Department, Bombay Presidency, in addition to his own duties from the 1st June 1895, but at the request of the Government of India, he was relieved of his College duties from the 22nd June 1895, and Mr. N. D. Dhákmárvála, G.B.V.C, Lecturer on Anatomy, was appointed sub. *pro-tem.*, Assistant Principal from the same date. Mr. C. F. Fernandez, G.B.V.C., Itinerating Veterinary Inspector, acted as Lecturer on Anatomy. Veterinary Lieut. Larnder took charge of his duties at the College on the 3rd September 1895, but having been transferred to the South Punjáb as Acting Superintendent, Civil Veterinary Department, on the same day he handed over charge of Assistant Principal to Mr. Dhákmárvála. On the 3rd of January 1896, Veterinary-Lieut. Larnder was confirmed in his appointment in the South Punjáb, so Mr. Dhákmárvála continued to act as Assistant Principal up to 22nd February 1896, on which date he was relieved by Veterinary-Lieut. F. S. H. Baldrey, A. V. D. Mr. Dhákmárvála then reverted to his former appointment and relieved Mr. Fernandez.

Government in their Resolution, Educational Department, No. 2242, dated 18th November 1896, have, for the time being, abandoned the idea of building quarters for the Assistant Principal.

As far as I can judge, Veterinary-Lieut. Baldrey is likely to make a good teacher.

Mr. Dhákmárvála has performed his duties with zeal and care, and has given me every support.

Messrs. Vakhária and Fernandez performed their duties to my entire satisfaction.

The whole College staff deserve every praise for the manner in which they have assisted me in the extra duties in connection with the importation of the Government stallions.

Branches of Study.

9. *Anatomy and Surgery.*—Twenty-two horses were procured during the year. The senior students were taken to the Sewri Lazaretto to be taught operative surgery on the dead subject and the second year students for dissecting. Government have built a commodious dissecting and *post-mortem* room at the Sewri Lazaretto.

Hygiene.—The Commissariat Department again kindly lent during this year mules and pack saddles for teaching purposes, and the senior students were taught this subject by me.

Chemistry.—Owing to the increase in the number of students in the junior classes, who have to be taught practical Chemistry and the gradual increase in the quantity of appliances, &c., more room is required in the Laboratory, and proposals are about to be made for its extension, and also for laying on gas which is much needed.

The Management of Diary, Work Cattle, &c.—Mr. Mollison, Superintendent of Government Farms, has as last year delivered a course of 25 lectures on these subjects at the Government Farm Kirkee, where the senior students were sent in September last.

Sir Dinshaw Petit Patho-Bacteriological Laboratory.—My best thanks are due to Dr. N. F. Surveyor, an accomplished bacteriologist, who kindly came to the Laboratory and investigated a malignant disease of the horn affecting cattle. Frequent examinations of blood and other materials were made during the year. The Laboratory continues to be an invaluable adjunct to the College.

Excursions.

10. The senior students were taken by me to the Shikárpur Horse Show, the Bándra slaughter-houses, and the Chimore Pinjrapole. Excursions to the Victoria Gardens were conducted under the supervision of the lecturer on Botany.

Physical Training.

11. The tuition in riding was taken a great interest in by the majority of students, and some of them have turned out very good horsemen. I have specially to thank Captain Grantham, acting Commandant of His Excellency the Governor's Body Guard, for the care he took in giving this matter his personal attendance and supervision. Seven cricket matches were played during the year, resulting in 3 victories, 3 defeats, and 1 tie. It is my intention to construct a lawn-tennis court for the students in the College compound during the coming year.

Museum and Library.

12. Many valuable additions have been made to the pathological, anatomical, and physiological specimens in the museum. Several new books were purchased for the library, which, with the periodicals received from England, have proved of great benefit, both to the teachers and students.

Photography.

13. Government kindly sanctioned the purchase of a second-hand camera for the use of the College, which has proved of great value, as it enables me to take photographs of cases and morbid specimens,—permanent records, which, otherwise, would have been lost. I look upon photography as one of the most valuable aids, one can possibly have for teaching purposes, and I trust that a budget provision will be directed to be made for the purchase of the photographic kit sanctioned in Government Resolution, Educational Department, No. 2762, dated 14th December 1893. At the Chinchli Show I took photographs for Mr. Mollison, Superintendent Government Farms, of all the typical specimens in the cattle exhibits.

Donors of Prizes.

14. The following gentlemen should be thanked for their liberality in contributing to the College prize list:—

Sir Dinshaw Maneckji Petit, Bart.

Sir L. Bayley.

Veterinary-Captain J. W. A. Morgan.

J. Mollison, Esquire, M.R.A.S.

Dr. M. G. Deshmukh.

N. D. Dhákmárvála, Esquire, G.B.V.C.

J. M. Doctor, Esquire, G.B.V.C.

I have also continued my two prizes.

Visitors.

15. The following gentlemen visited the College and Hospital:—

Sir Dinshaw Maneckji Petit, Bart.

General Sir John Watson, V.C., K.C.B.

His Excellency Bálmukund, Commander-in-Chief of the Indore Army.

The Honourable Mr. Justice Jardine.

General W. Gatacre, C.B., D.S.O.

Colonel Deane, Director General, Remount Operations.

R. H. Vincent, Esquire, C.I.E.

Dr. MacGregor, M. P.

Anton Schuh, V. S., in charge, Emperor of Austria's Stud.

Lieutenant Robert Clemm, Field Artillery, German Army.

Hospital.

16. The records of the Hospital give the following information relative to patients, &c:—

(*a*). *In-patients.*—1,820 cases were admitted in 1895 as compared with 1,766 in 1894, showing an increase of 54. The various classes of animals admitted were as follows:—Horses 477, cattle 1,042, and dogs 301. The daily average was 176, showing an increase of 19 over that of the last year.

(*b*). *Out-patients.*—662 were treated during 1895, showing an increase of 104 over that of the last year.

(*c*). *Mortality.*—The mortality in horses for 1895 was at the rate of 7 per cent., in cattle 4 per cent., and in dogs 41 per cent., as compared with 6 per cent., 4 per cent., and 38 per cent., respectively of the last year.

(*d*). *Supply of medicines and pharmacy requisites.*—The supply of medicines and pharmacy requisites by the Society P. C. A. is unsatisfactory. The monthly indents, in some instances, are only partially complied with and after considerable correspondence. This naturally does not conduce to the carrying out of the proper treatment of cases in Hospital, which should not be. I have, therefore, made certain representations in regard to this matter to Government with the view of changing the system, and I trust they will be acted upon.

(*e*). *Buldings.*—The tetanus box, the gift of Messrs. Dharamsi and Gordhundas Sundardass, has been completed and has proved an incalculable boon to animals suffering from such a terrible disease as tetanus, in fact, I attribute, to a large extent, the recovery of several cases to the comfort and quietude afforded by this box.

The servants' quarters of the Hospital are not as they ought to be, a fact to which I have drawn the attention of the Secretary, S P. C. A., and hope the Hospital authorities will take steps to improve them.

(*f*). *Management.*—The Manager and his assistants have performed their duties satisfactorily. With regard to the employment of good syces, I have addressed Government, and it is to be hoped that the Society will see their way to adopt my recommendations.

The Society for the Prevention of Cruelty to Animals have made a move in the right direction by offering prizes for essays on the humane treatment of animals, and I feel astonished that this should not have been instituted years ago. There can be no possible doubt whatever that educating the minds of the young, by stimulating them to read and learn what does and what does not constitute cruelty to animals, will no doubt have a beneficial effect in ameliorating the condition of the lower creation. In fact, I would strongly urge that kindness to animals should form a portion of the education of all young people, in the same way as history, geography or any other subject does. Thirty-two prizes of Rs. 30 each were offered and competed for by the various schools and colleges, and about 1,000 girls and boys visited this institution in February last, for the purpose of having demonstrated to them what the care and treatment of sick animals meant, and the means adopted here for their well-being and comfort. I was glad to receive them and to witness the pleasure and interest they took in what must have been to many of them a foreign subject. I do hope that the Society for the Prevention of Cruelty to Animals will make these prizes an annual occurrence, and I will do all in my power to favour this noble object A student of this College, Mr. H. V. Kulkarni, obtained the prize allotted to the junior students.

17. The sum of Rs. 5,461-10-11 was spent on buildings and repairs during the year. The north-east corner of the main College building was converted into a pharmacy, it being more convenient and more under the direct supervision of the officer on duty, and the farriers' quarters were utilized by the native farrier. Rain and wind protectors were fixed to the practical examination shed. A dissecting and *post-mortem* room has been built at the Sewri Lazaretto at a cost of Rs. 4,949-11-0. A box for conveying horses by sea has been purchased during the year at a cost of Rs. 40, for the purpose of teaching the students how to box horses and arrange their gear when on board.

Buildings.

It is under contemplation to build an operating theatre at the expense of a private donor.

18. Appendix F is the financial statement for the year under report. It will be seen from it that the total expenditure incurred on account of the College during the year was Rs. 40,176 as against Rs. 37,326 and Rs. 28,677 in the year 1894-95 and 1893-94 respectively. Deducting Rs. 4,950, cost of building a *post-mortem* and dissection room at Sewri, from the total expenditure of Rs. 40,176, the net expenditure incurred was Rs. 2,100 less than the previous year. Government in the Judicial Department have sanctioned a carriage allowance of Rs. 35 per mensem, for the Assistant Principal for the duties in connection with the Glanders and Farcy Act.

Financial Statement.

The financial statement has been prepared as indicated by Government in paragraph 3 of their Resolution, Educational Department, No. 1,523, dated 9th August 1895, and under the instructions received from the Director of Public Instruction.

19. Mr. V. B. Phatak, the Head Clerk, continues to give every satisfaction in the performance of his duties, and Mr. L. Cardoz, Second Clerk, is likely to make a useful servant.

Office.

I have the honour to be,
Sir,
Your most obedient Servant,

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Examinations, April 1895.

Examination.	First Class.	Second Class.	Pass.	TOTAL OF CANDIDATES.		Percentage of Passes.
				Examined.	Passed.	
First Professional	...	14	5	26	19	73·07
Second Professional	4	5	...	11	9	82·5
Third Professional	4	5	...	14	9	64·4
Total ...	8	24	5	51	37	72·54

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

8th May 1896.

APPENDIX B.

Return of Prizes, &c., awarded to Students of the Bombay Veterinary College for 1895-96.

No.	Subject.	Nature.	Value.	Successful Candidates.	Donor's Name.
	Third Professional.		Rs.		
1	Best Student	Books and Instruments ...	50	G. D'Silva...	Sir Justice Bayley.
2	Best Hindu Student	Silver Medal	15	S. Mudliar...	M. R. Ry. Man-Mull.
3	Operative Surgery	Books and Instruments ...	30	G. D'Silva...	Vety.-Major J. Mills.
4	Soundness	Silver Medal	15	F. D'Silva	Government.
5	Breeding and Obstetrics	Books and Instruments ...	32	S. Mudliar...	Vety.-Capt. J. Morgan.
6	Shoeing	Do. do. ...	25	G. D'Silva and Mudliar ...	Vety.-Major J. Mills.
7	Hygiene and Sanitary Science ...	Do. do. ...	25	S. Mudliar...	J. Mollison, Esq.
	Second Professional.				
8	Best Student	Books and Instruments ...	40	H. Foy	Sir D. M. Petit, Bart.
9	Anatomy and Physiology	Do. do. ...	20	H. Foy	Sir D. M. Petit, Bart.
	First Professional.				
10	Best Student	Books and Instruments ...	25	A. J. Ansari	J. M. Doctor, Esq., G.B.V.C.
11	Handling of Animals	"Steel" Silver Medal ...	15	R. W. Simpson	Steel Memorial Committee.
12	Anatomy and Physiology	Books and Instruments ...	20	A. J. Ansari	N. D. Dhákmárvála, Esq., G.B.V.C.
13	Chemistry and Botany	Do. do. ...	15	A. K. Duberia	M. G. Deshmukh, Esq., M.D., B.A., B.Sc.
14	*Results of Examinations*	Government Scholarships ...	Each 60	*Class B*— Foy, Hoole, W. Mudliar, Shaikh and Benjamin. *Class A*.— Ansari, Duberia, Simpson, Brand, Mehta, Joshi, Abdul Rahiman and J. Valladares.	

8th May 1896.

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX C.

Bombay Veterinary College.

Return showing changes in the number of Students in 1895-96.

Class.	Number of Students on 1st April 1895.	Withdrawals.		Entries.		Number of Students on 31st March 1896.	Remarks.
		Number of Students left the College.	Number of Students transferred.	Number of Students transferred.	New entries.		
Class C	15	10	...	9	1	15	
Do. B	11	2	9	19	1	20	
Do. A	32	4	19	...	19	28	
Total ...	58	16	28	28	21	63	

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

8th May 1896.

APPENDIX D.

Bombay Veterinary College.

Table showing the Number and Nationality of Students for the year 1895-96.

Caste.	Paying.	Native States.	Government, free.	Municipal, free.	Total.	Remarks.
Class C.						
Europeans and Eurasians .	1	...	1	...	2	
Mahomedans	...	1	...	...	1	
Pársis	...	...	...	...	...	
Jews	...	1	...	...	1	
Hindus	4	3	2	1	10	
Native Christians	...	1	...	...	1	
Total ...	5	6	3	1	15	
Class B.						
Europeans and Eurasians...	1	1	2	...	4	
Portuguese and Native Christians	1	...	...	...	1	
Mahomedans	...	2	...	1	3	
Parsis	1	...	1	...	2	
Hindus	7	3	...	...	10	
Total ...	10	6	3	1	20	
Class A.						
Europeans and Eurasians...	2	...	...	...	2	
Portuguese and Native Christians	6	...	...	...	6	
Mahomedans	2	...	...	...	2	
Pársis	2	...	1	...	3	
Hindus	8	1	5	1	15	
Total ...	20	1	6	1	28	
Grand Total ...	35	13	12	3	63	

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

8th May 1896.

APPENDIX E.

Return showing Caste and Number of Students from Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1895-96.

Province, Presidency, or State.	Number of				
	Hindus.	Mahomedans.	Europeans.	Jews.	Native Christians.
Junágadh State	1	1	...	...	...
Kolhápur do.	1	...	...	...	...
Bhávnagar do.	1	...	1	...	...
Rájpipla do.	1	...	...	...	...
Mángrol do.	1	...	...	...	...
Wadhwán do.	1	...	...	...	...
Gondal do.	1	...	...	...	...
District Local Board, Shikárpur ...	...	...	...	1	...
Do. Hyderabad ...	...	1	...	...	...
Do. Thar and Párkar ...	...	1	...	...	...
Ceylon Government	...	...	...	...	1
Total ...	7	3	1	1	1

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

8th May 1896.

APPENDIX F.

Financial Statement of the Bombay Veterinary College for 1895-96.

Budget Sanction.						Actual Expenditure.					
Heads.	1894-95.			1895-96.		Heads.	1894-95.			1895-96.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—											
Teaching staff...	20,760	0	0	28,446	0 0	Teaching staff	25,771	10	3	25,099	2 9
Establishment...	2,064	0	0	2,112	0 0	Establishment	2,138	6	3	2,396	0 0
Contingent	1,310	0	0	1,238	0 0	Contingent expenditure	1,278	8	5	1,060	11 4
Scholarships	900	0	0	900	0 0	Scholarships	900	0	0	900	0 0
Chemicals, &c...	200	0	0	200	0 0	Chemicals, &c.	203	11	2	244	4 8
Examiners' fees	300	0	0	300	0 0	Examiners' fees	399	0	0	382	0 0
Riding fees	300	0	0	300	0 0	Riding fees	256	0	0	512	0 0
House-rent allowance	1,020	0	0	1,740	0 0	House-rent allowance	1,124	8	3	702	0 0
Books, periodicals, &c.	488	0	0	438	0 0	Travelling allowance	234	4	0	66	0 0
Travelling allowance to officers	200	0	0	200	0 0	Furniture and apparatus	573	6	0	436	8 0
Furniture and apparatus	394	0	0	394	0 0	Buildings and repairs	1,707	5	5	5,461	13 10
Buildings and repairs	1,708	0	0	5,460	0 0	Conveyance allowance	420	0	0	512	9 3
Conveyance allowance to Principal	420	0	0	420	0 0	Books, periodicals, &c.	474	0	3	418	13 9
Excursion charges	500	0	0	500	0 0	Honorarium to three Assistant Veterinary Officers.	900	0	0	900	0 0
Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0	Excursion charges	405	6	0	584	1 5
						Charges for instruction in pack saddle, &c. ...	40	0	0	.....	
Charges for instruction in dairy, work cattle, &c.	500	0	0	500	0 0	Charges for instruction in dairy, work cattle, &c..	500	0	0	500	0 0
Total ...	31,964	0	0	44,048	0 0	Total ...	37,326	2	0	40,176	1 0

Note.—*Statement of receipts on account of College, credited to Government.*

Heads.	1894-95.			1895-96.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal contribution	2,500	0	0	2,500	0	0
Fees from Students	2,310	0	0	2,715	0	0
Rent of Students' Quarters	96	0	0	110	0	0

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

8th May 1896.

Administration Reports.—
Bombay Veterinary College.
Report of the Principal of the — for the year 1895-96.

Educational Department.
No. 1339

Bombay Castle,
15th July 1896.

Letter from the Director of Public Instruction, No. 1475, dated 12th June 1896.

Submitting a copy of the Report of the Bombay Veterinary College for the year 1895-96; and observing that the results of the year appear to be satisfactory.

RESOLUTION.—The number of students in the Veterinary College rose from 58 to 63 during the year under review, and there was a satisfactory improvement in the proportion of those who passed the examinations, which rose from 57 to 72 per cent. Nine students graduated, and all of these appear to have obtained employment at once, either in this Presidency or elsewhere.

2. The expenditure of the College again increased, rising from Rs. 37,326 to Rs. 40,176; but as pointed out by the Principal, the increase was wholly due to the erection of a dissecting room at Sewri, and the expenditure was within the budget provision for the year.

3. The Principal refers to Government Resolution No. 2762, dated the 14th December 1893, and suggests that provision should be made for the purchase of the photographic apparatus referred to in that Resolution. The question was settled by Government Resolution No. 190, dated the 18th January 1895, subsequently to which, by Government Resolution No. 1631, dated the 24th August 1895, the Principal was permitted to purchase a camera at the cost of Rs. 300. If, notwithstanding this purchase, the apparatus formerly applied for is still considered necessary a separate application may be made to Government.

A. C. LOGAN,
Acting Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Pálanpur,

With copies of the Report.

[P. T. O.

The Political Superintendent, Sávantvádi,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Survey Commissioner and Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Judicial Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Editors' Table, Bombay,
The Editors' Table, Poona (*care of* the City Magistrate, Poona),
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum, *care of* the Secretary to the Belgaum Municipality,
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press (with a request that the copies of the Report required by this Department may be sent as soon as possible),

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Secretary of State for India,
The Officer in charge, Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1896-97.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1897.

[Price—4 Annas.]

BOMBAY BRANCH
OF THE
Royal Asiatic Society.

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Ag K-37

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1897.

No. 349 of 1897.

From

JAMES MILLS, M.R.C.V.S., J.P., Veterinary-Major, A.V.D.,
Fellow and Examiner, Bombay University;
Principal, Bombay Veterinary College;

To

E. GILES, Esq., M.A.,
Director of Public Instruction, Poona.

Bombay Veterinary College,
Parel, 28th April 1897.

Sir,

I have the honour to submit the eleventh Annual Report of the Bombay Veterinary College dealing with its administration during the official year 1896-97. The report includes a brief outline of the duties performed in connection with the Bái Sákarbái Dinshaw Petit Hospital for Animals for the year ending 31st December 1896.

Professional Examinations.

2. The professional examinations commenced on the 20th April 1896 and terminated on the 30th April 1896. The Board of Examiners consisted of the following gentlemen :—

President.

Veterinary-Lieut.-Colonel W. S. Adams, A. V. D., Inspecting Veterinary Officer, Bombay Army.

Members.

Veterinary-Captain J. W. A. Morgan, A. V. D., Superintendent, Civil Veterinary Department, Bombay Presidency.

Veterinary-Captain H. T. Pease, F. Z. S., A. V .D., Assistant to the Inspector-General, C. V. D.

M. G. Deshmukh, Esq., M.D., B.A., B.Sc.

N. D. Dhákmárvála, Esq., G.B.V.C., Acting Assistant Principal, B. V. C.

V. E. Vakhária, Esq., G.B.V.C., Lecturer on Chemistry, B. V. C.

Secretary.

Veterinary-Major J. Mills, A. V. D., Principal, B. V. C.

The final meeting of the Board was held on the 30th April to prepare and declare the results of the examinations, which will be found in Appendix A. The Board also announced and distributed the prizes, a list of which will be found in Appendix B.

It will be seen from Appendix A that 32 candidates passed in the three classes out of the 54 that presented themselves for the examinations. The percentage of passes is 59·25 this year, as against 72·54 and 57·67 in 1895 and 1894 repectively.

The Government of India suggested that the results of the examinations of the teaching work of the year under report should be included in the report, and the present practice of mentioning the results of the examinations held at the commencement of the year should be discontinued. The change of the date of the examinations to the month of September, as recommended by me, for reasons which will be found further on, and sanctioned by Government, will leave no difficulty in accomplishing this object.

Information relating to students.

3. On the 1st April 1896 there were 63 students on the College rolls. There were 25 fresh entries during the year, as against 21 in each of the years 1895-96 and 1894-95 :—23 in Class A, and 2 joined in Class B under concession. One from Class C and 7 from Class A left the College owing to their failures at

the examinations and inability to continue their studies. Two from Class B died of the plague, and 9 from Class C graduated. Thus altogether 19 students left the College. The changes in the number of students are shown in Appendix C.

Out of the 25 students that joined during the year, 3 are the subjects of Native States—2 of Cochin and 1 of Gwalior. One student came from Madras and one from Sind.

Appendix D shows the number of students of different nationalities on the College rolls at the end of the year. In the fresh entries there are 1 European or Eurasian, 8 Native Christians, 3 Pársis, 2 Mahomedans and 11 Hindus.

Appendix E shows the number of students attending supported by Native States, Local Boards, Municipalities, &c. Cochin and Gwalior States and Sholápur Municipality have this year sent students for the first time. The number of students that attended under this head was 14, as against 13 in 1895-96 and 16 in 1894-95. Of the 14 students 8 are Hindus, 3 Mahomedans, 1 European or Eurasian, and 2 Native Christians.

A change has been made in the date of the commencement of the collegiate year, so as to encourage men possessing University qualifications to join. Formerly the fresh course began with the commencement of the short Session, *i.e.*, in June. Hereafter it will begin with the commencement of the long Session, *i.e.*, in November. This date has been made collateral with the date of the commencement of fresh courses in other Educational Institutions, so that candidates passing the University Examinations will not be required to wait for admission till 16th June, which kept many good men from joining.

Mr. C. Stephens and Mr. E. Engel, after completing two years' study here, and Mr. A. Bingham, after graduating, went to England to undergo the usual course there, and they all returned during the year to Bombay as qualified members of the Royal College of Veterinary Surgeons.

Employment of Graduates.

4. Out of the 9 men that graduated this year, 8 have obtained employment. One as Instructor in Shoeing at the College; two as Veterinary Inspectors under Act XX of 1879 (Glanders and Farcy) in Bombay, each on a salary of Rs. 50 rising to Rs. 100, with travelling allowances; one as Veterinary Officer at Mozambique, under the Portuguese Government, on a salary of Rs. 300; one under the Ceylon Government, on a salary of Rs. 150; one under the District Local Board of Ratnágiri, on a salary of Rs. 75 rising to Rs. 125; one under the District Local Board of Belgaum, on a salary of Rs. 75; one under the Native State of Bagasra in Káthiáwár, on a salary of Rs. 60; and one has gone into private practice. Messrs. G. and F. D'Silva, Graduates of last year, have established themselves at Meerut and are, I understand, doing well.

Besides this, two more openings have been made for the graduates of this College, and have been filled up by two senior men. One under the Portuguese Government in India, and one under the Travancore Government, on salaries of Rs. 150 rising to Rs. 250 respectively. The 4 appointments in Bombay under Act XX of 1879 (Glanders and Farcy) were also filled up. Demands for graduates have been received for British East Africa, Indore, Porebundar, Bansda, and Jodhpur. It is also under the consideration of the District Local Board of Sátára to entertain the services of a graduate of this College. I however must mention here that several District Local Boards and Municipalities are without Veterinary Dispensaries, and do not seem to avail themselves of the veterinary aid offered to them by Government by sending natives to be trained at this College. It has been for the last two years under contemplation of the District Local Boards of Sholápur and Broach to establish dispensaries in their districts, but as yet they have not done so. The Shikárpur Local Board abolished the itinerating Veterinary Dispensary and dispensed with the services of the graduate in charge of it. This Local Board has also informed the young man trained here at their expense that they do not wish to take advantage of his services, but he has obtained suitable employment elsewhere.

The Military Department have often asked for the services of graduates, but the salaries offered, from Rs. 20 to Rs. 30 per mensem, are such that they could not be accepted.

5. Mr. R. J. Ghosla, G.B.V.C., was deputed to Porebundar State, where Rinderpest and Foot and Mouth Disease broke out.

Cattle Disease Repression.

Mr. S. E. Benjamin, G.B.V.C., was deputed for a similar purpose in the Pandharpur Táluka of the Sholápur District. Advice was also asked for in regard to the treatment of cattle disease in the Broach District.

Extra Duties.

6. The following extra duties were performed by me :—

(*a*) Supervised the inspecting staff under Act XX of 1879 (Glanders and Farcy), it having been reorganised, *vide* Government Resolution, Judicial Department, No. 4645 of 4th July 1896, and its control transferred from the Commissioner of Police to me. This has entailed considerable extra work.

(*b*) Advised as to the management and treatment of animals at the Victoria Gardens, in the capacity of Honorary Veterinary Surgeon.

(*c*) Inspected horses in Bombay and Bandra Stables, at the Harbour and the Sewree Lazaretto.

(*d*) Acted as co-Examiner at the Bombay University in Veterinary subjects for the Diploma and Second in Agriculture Examinations.

(*e*) Treated sick animals belonging to the Commissariat Department.

(*f*) Similarly to last year, the duties of receiving and despatching stallions imported for the Civil Veterinary Department were performed. 22 horses and 42 donkeys were landed and despatched to Babugarh and Ahmednagar. This entailed quite as much extra work as last year. On most occasions I have personally attended the landing and despatching of these animals.

(*g*) Served as President of a Committee appointed by the General Officer Commanding Bombay District to report on a shipment of horses from Queensland, which had been purchased in the tick plague infected areas of that country.

(*h*) Served as a Government Member of the Bombay Municipal Corporation.

(*i*) Assisted Professor Haffkine in his experiments in regard to the bubonic plague, and purchased animals for the same.

(*j*) Assistance was also given by me to Dr. Gaffkie, Professor of Hygiene, Giekin University, and Professor R. Pfieffer, Chief of the Science Department of the Institute of Infectious Diseases, Berlin, who had been deputed by H. I. M. the German Emperor to study the plague. An hospital for animals was erected for the deputation, and the Sir D. M. Petit Patho-Bacteriological Laboratory placed at their disposal.

(*k*) Was placed in plague charge of the Bombay Municipal Slaughter-houses at Bandra and given the powers of a 1st Class Magistrate, and a Justice of the Peace in the District of Thána.

(*l*) As a Justice of the Peace for Bombay, I volunteered my services for house-to-house visitation in connection with the plague, and have been working, when time permitted, in the Máhim, Dádar and Worli Divisions of the City.

(*m*) Drew up a report and prepared plans for the Imperial Government of German East Africa for the construction of stables, cattle-sheds, sheep and goat pens, piggeries and dog kennels.

7. Veterinary-Lieutenant F. S. H. Baldrey, Assistant Principal, having been attacked with typhoid fever, on recovery applied for and obtained six months' sick leave to England from the 13th April. During his absence Mr. N. D. Dhákmárvála, Lecturer on Anatomy and Physiology, acted for him. Mr. Foy, G.B.V.C., acted for Mr. Dhákmárvála from 1st May.

Teaching Staff.

As no suitable native farrier could be found for the appointment, Mr. C. Buckel, G.B.V.C., was appointed Instructor in Shoeing from 1st May, *vice* Narayen Maruti, whose services were dispensed with.

On Veterinary-Lieutenant Baldrey's return from sick leave on 16th October, Mr. Dhákmárvála returned to his former appointment. Mr. Foy was given the post of Instructor in Shoeing, and Mr. Buckel joined the firm of Messrs. Stephens and Sons, Veterinary Surgeons, Girgaum, as Assistant.

On the 4th January 1897 Mr. Dhákmárvála went on three months' privilege leave and Mr. Foy again acted for him.

Veterinary-Lieutenant Baldrey volunteered for plague duty and was appointed a Special Constable, and has been working at house-to-house visitation in his spare time in the Máhim, Dádar and Worli Districts of Bombay.

Veterinary-Lieutenant Baldrey has proved an excellent and painstaking teacher, and has performed his duties with zeal. The other teachers have also given satisfaction.

Mr. Dhákmárvála assisted Professor Haffkine, after his work at College was over, for two months who, I believe, was satisfied with what he had done for him.

Mr. Foy worked also under Professor Haffkine in the evenings at the Lazaretto.

Branches of Study.

8. *Anatomy.*—Nineteen subjects were obtained for dissection during the year. A conveyance allowance of Rs. 15 per mensem was granted by Government to the Lecturer on Anatomy from August 10th, to enable him to pay the expenses incumbent upon his having to go from the College to the Sewree dissecting-room.

Chemistry.—A proposal for the extension of the Chemical Laboratory was made to the Director of Public Instruction, but he did not consider it necessary.

The management of Dairy, Work Cattle, &c.—Mr. Mollison, Assistant Director of Agriculture, has, as last year, delivered a course of 25 lectures on these subjects at the Government Farm, Kirkee, where the senior students were sent in September last.

Sir Dinshaw Petit Patho-Bacteriological Laboratory.—The Laboratory continues to be an invaluable adjunct to the College, and has proved most useful to the scientists who have been studying the plague in Bombay, and especially to the German deputation.

Excursions.

9. It was proposed to take the senior students on an excursion tour to Káthiáwár in October, but it had to be postponed as my presence was unavoidably necessary to assist Dr. Haffkine in carrying out his experiments at the Sewree Lazaretto. Excursions to the Victoria Gardens were as usual conducted under the supervision of the Principal and the Lecturer on Botany.

Physical Training.

10. The riding class was not held this year, as the Body Guard horses were removed to Poona owing to the plague, and to the fact that Government House, Parel, was placed at the disposal of the Plague Committee for an hospital. Several cricket matches were played by the students, and exercises with dumb-bells, Indian clubs, and boxing gloves were made compulsory during the recess hour.

Museum and Library.

11. Additions have been made to the pathological, anatomical, and physiological specimens in the museum, and a few heads of animals were mounted. Several new books and periodicals were purchased for the Library, and all books and pamphlets were carefully rearranged, and those requiring rebinding were done as far as funds at my disposal permitted.

Donors of Prizes.

12. The following gentlemen should be thanked for their liberality in contributing to the College prize list:—

Sir Dinshaw Maneckji Petit, Bart.

Veterinary-Lieut.-Colonel W. Adams, I.V.O.

Veterinary-Captain J. W. A. Morgan.

Dr. M. G. Deshmukh.

N. D. Dhákmárvála, Esq., G.B.V.C.

I have also continued my two prizes.

Visitors.

13. The following gentlemen visited the College and Hospital:—

H. E. Lord Sandhurst.

The Honourable Mr. Justice Fulton.

E. Giles, Esq., M.A., Director of Public Instruction.

Veterinary-Colonel A. E. Quripel, Inspector-General, C.V.D.

Professor W. M. Haffkine.

Dr. Gaffkie, Professor of Hygiene, Giekin University.

Professor R. Pfieffer, Chief of the Science Department of the Institute of Infectious Diseases, Berlin.

Hospital.

14. The records of the hospital give the following information relative to patients, &c.:—

(*a*) *In-patients.*—2,214 were admitted in 1896, as compared with 1,820 in 1895, showing an increase of 394. The various classes of animals admitted were as follows:—Horses 639, cattle 1,259 and dogs 316. The daily average was 177·5, showing an increase of 1·5 over that of the last year.

(*b*) *Out-patients.*—893 were treated during 1896, as compared with 662 in 1895, showing an increase of 231.

(*c*) *Mortality.*—The mortality in horses for 1896 was at the rate of 4·85 per cent., in cattle 5·56 per cent., and in dogs 30·06 per cent., as compared with 7 per cent., 4 per cent., and 41 per cent., respectively of the last year.

(*d*) *Supply of Medicines and Pharmacy Requisites.*—The supply of medicines and pharmacy requisites have been placed on a much more satisfactory basis, the entire control being under the College authorities and not under the S. P. C. A. as before. A six months' supply has been indented for from the Government Medical Stores. This arrangement came into force from the 1st January 1896 as a tentative measure, and, should it succeed, will be continued.

(*e*) *Management.*—The Manager, Mr. J. B. Daver, and his Assistants have carried out their duties, so far as my department is concerned, to my satisfaction.

Buildings.

15. The sum of Rs. 995-11-4 was spent on buildings and repairs during the year. Two bath-rooms were provided on the north-east side of the Patho-Bacteriological Laboratory for the Principal and Assistant Principal.

Financial Statement.

16. Appendix F is the financial statement for the year under report. It will be seen from it that the total expenditure incurred on account of the College during the year was Rs. 36,050 as against Rs. 40,176 and Rs. 37,326 in the years 1895-96 and 1894-95, respectively, showing a saving of Rs. 4,360 on the total budget provision for the year. This was chiefly effected under the headings of house-rent allowance, buildings and repairs, riding class, excursion charges, and to the payment of leave allowance to Veterinary-Lieutenant Baldrey. During the year Government sanctioned a house-rent allowance of Rs. 30 per mensem to the Assistant Principal and a conveyance allowance of Rs. 15 to the Lecturer on Anatomy.

College Calendar.

17. The College Calendar and Syllabus has been revised and reprinted.

Office.

18. The clerical staff have given every satisfaction in the performance of their duties.

I have the honour to be,

Sir,

Your most obedient Servant,

JAMES MILLS, Vety.-Major, A.V.D.,

Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Examinations, April 1896.

Examinations.	First Class.	Second Class.	Pass.	Total of Candidates.		Percentage of Passes.
				Examined	Passed.	
First Professional	1	11	2	19	14	73·68
Second Professional	1	6	2	20	9	45·
Third Professional	3	6	...	15	9	60·
Total ...	5	23	4	54	32	59·25

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

28th April 1897.

APPENDIX B.

Return of Prizes, &c., awarded to Students of the Bombay Veterinary College for 1896-97.

No.	Subject.	Nature.	Value.	Successful Candidates.	Donor's Name.
	Third Professional.				
1	Equine Medicine and Surgery ...	Books and Instruments ...	20	A. J. Shaikh	Vety.-Lieut.-Colonel Adams.
2	Best Hindu Student	Silver Medal	15	W. R. Mudliar	M. R. Ry. Sah Man Mull.
3	Operative Surgery	Books and Instruments ...	30	A. J. Shaikh	Vety.-Major Mills.
4	Soundness	Silver Medal	15	C. Buckel	Government.
5	Breeding and Obstetrics	Books and Instruments ...	32	H. A. Foy	Vety.-Capt. Morgan.
6	Shoeing	Do. do. ...	25	S. E. Benjamin	Vety.-Major Mills.
	Second Professional.				
7	Medicine and Surgery	Books and Instruments ...	20	A. L. Patadia	Sir D. M. Petit, Bart.
8	Anatomy and Physiology	Do. do. ...	20	A. L. Patadia	Sir D. M. Petit, Bart.
	First Professional.				
9	Handling of Animals (1st Prize) ...	"Steel" Silver Medal ...	15	T. Walke	Steel Memorial Committee.
10	Do. do. (2nd „) ...	Books and Instruments ...	20	R. M. Mudliar	Vety.-Lieut.-Colonel Adams.
11	Anatomy and Physiology	Do. do. ..	20	R. E. Daver	Sir D. M. Petit, Bart.
12	Chemistry and Botany	Do. do. ...	15	H. V. Kulkarni	Dr. M. G. Deshmukh.
13	Best attendance	Do. do. ...	10	R. W. Simpson and R. E. Daver ...	N. D. Dhákmárvála, Esq.
14	Results of Examinations	Government Scholarships ...	Each 60	*Class B*— Patadia, Brand, Ansari, Simpson, Joshi, Duberia. *Class A*— Kulkarni, Karandikar, Mudliar Purohit, Daver, Rebello, Rodrigues, Khadpe, Mascarenhas.	

28th April 1897.

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX C.

Bombay Veterinary College.

Return showing Changes in the Number of Students in 1896-97.

Class.	Number of Students on April 1896.	Withdrawals.		Entries.		Number of Students on 31st March 1897.	Remarks.
		Number of Students left the College.	Number of Students transferred.	Number of Students transferred.	New entries.		
Class C	15	10	...	9	...	14	
Do. B	20	2	9	14	2	25	
Do. A	28	7	14	...	23	30	
Total ...	63	19	23	23	25	69	

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

28th April 1897.

APPENDIX D.

Bombay Veterinary College.

Table showing the Number and Nationality of Students for the year 1896-97.

Caste.	Paying.	Native States.	Government Free.	Municipal Free.	Total.	Remarks.
Class C.						
Europeans and Eurasians	1	1	1	...	3	
Mahomedans	...	2	...	1	3	
Pársis	...	...	...	...	...	
Jews	...	...	...	...	...	
Hindus	4	3	1	...	8	
Native Christians...	...	...	...	...	...	
Total ...	5	6	2	1	14	
Class B.						
Europeans and Eurasians	1	...	1	...	2	
Portuguese and Native Christians ...	4	1	...	...	5	
Mahomedans	...	...	...	...	...	
Pársis	1	...	2	...	3	
Hindus	5	4	5	1	15	
Total ...	11	5	8	1	25	
Class A.						
Europeans and Eurasians	2	...	...	...	2	
Portuguese and Native Christians ...	8	1	...	...	9	
Mahomedans	1	1	1	...	3	
Pársis	5	...	...	...	5	
Hindus	10	1	...	...	11	
Total ...	26	3	1	...	30	
Grand Total ...	42	14	11	2	69	

Note.—One Municipal Free Studentship is not shown in the return, as the student who held it died and has not been replaced.

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

28th April 1897.

APPENDIX E.

Return showing Caste and Number of Students from Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1896-97.

Province, Presidency or State.	Number of				Remarks.
	Hindus.	Mahomedans.	Europeans.	Native Christians.	
Junágadh State	...	1	...	...	
Kolhápur do.	1	...	...	...	
Bhávnagar do.	1	...	1	...	
Rájpipla do.	1	...	...	...	
Mángrol do.	1	...	...	...	
Wadhwán do.	1	...	...	...	
Cochin do.	...	...	...	1	
Gwalior do.	1	...	...	...	
Mysore do.	1	...	...	...	
District Local Board, Shikárpur ...	...	1	...	...	
Do. Hyderabad ...	...	1	...	...	
Ceylon Government	1	...	...	...	
Sholápur Municipality	...	...	...	1	

JAMES MILLS, Vety.-Major, A.V.D.,
Principal, Bombay Veterinary College.

28th April 1897.

APPENDIX F.

Financial Statement of the Bombay Veterinary College for 1896-97.

Budget sanction.							Actual Expenditure.						
Heads.	1895-96.			1896-97.			Heads.	1895-96.			1896-97.		
	Rs.	a.	p.	Rs.	a.	p.		Rs.	a.	p.	Rs.	a.	p.
From Government Salaries:—													
Teaching staff	28,446	0	0	30,268	0	0	Teaching staff	25,099	2	9	25,478	11	4
Establishment	2,112	0	0	2,400	0	0	Establishment...	2,396	0	0	2,456	2	6
Contingent	1,238	0	0	1,222	0	0	Contingent expenditure	1,060	11	4	1,221	2	5
Scholarships	900	0	0	900	0	0	Scholarships	900	0	0	900	0	0
Chemicals	200	0	0	200	0	0	Chemicals, &c.	244	4	8	142	4	0
Examiner's fees	300	0	0	300	0	0	Examiner's fees	382	0	0	781	8	3
Riding fees	300	0	0	300	0	0	Riding fees	512	0	0	.....		
House-rent allowance	1,740	0	0	720	0	0	House-rent allowance	702	0	0	855	7	9
Books, periodicals, &c.	438	0	0	438	0	0	Travelling allowance	66	0	0	.....		
Travelling allowance to officers	200	0	0	200	0	0	Furniture and apparatus	436	8	0	394	0	0
Furniture and apparatus	394	0	0	394	0	0	Buildings and repairs	5,461	13	10	995	11	4
Buildings and repairs	5,460	0	0	1,026	0	0	Conveyance allowance	512	9	3	924	11	4
Conveyance allowance to Principal	420	0	0	420	0	0	Books, Periodicals, &c.	418	13	9	437	7	5
Excursion charges	500	0	0	500	0	0	Honorarium to three Assistant Veterinary Officers .	900	0	0	900	0	0
Honorarium to three Assistant Veterinary Officers	900	0	0	900	0	0	Excursion charges	584	1	5	63	8	0
Charges for instruction in dairy, work cattle, &c..	500	0	0	500	0	0	Charges for instruction in dairy, work cattle, &c....	500	0	0	500	0	0
Total ...	44,048	0	0	40,688	0	0	Total ...	40,176	1	0	36,050	10	1

Note.—Statement of receipts on account of College credited to Government.

Heads.	1995-96.			1896-97.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal Contribution	2,500	0	0	2,500	0	0
Fees from Students	2,715	0	0	2,520	0	0
Rent of Students' quarters	110	0	0	64	0	0

28th April 1897.

JAS. MILLS, Veterinary-Major, A.V.D.,
Principal, Bombay Veterinary College.

Administration Reports.—
Bombay Veterinary College.
Report of the Principal of the — for the year 1896-97.

Educational Department.
No. 1300

Bombay Castle,
30th August 1897.

Letter from the Director of Public Instruction, No. 1325, dated the 5th June 1897.

"I have the honour to submit a copy of the report of the Bombay Veterinary College for 1896-97 and to state as follows.

"2. The numbers in the College have increased from 63 to 69, 25 students having joined during the year while 17 left and two died of plague.

"3. The institution appears to be increasing in efficiency and its sphere of influence is extending. Graduates have obtained employment at Mozambique and Ceylon, and there is a demand from British East Africa. It is also noticeable that one of the graduates of this year has gone into private practice, while two of last year's men are in private practice at Meerut and are, apparently, successful. On the other hand, the District Local Boards do not appear to take advantage of the College to a large extent, and the Shikárpur Board has abolished its travelling dispensary.

"4. The extra duties of the Principal have this year been unusually heavy. The plague has interfered with the work of the College, and excursions and the Riding School were discontinued on that account. The plague also threw much extra work upon the Principal and Veterinary-Lieutenant Baldrey.

"5. The administration of the College appears to have been zealous and efficient. The Principal especially notices the good work of Veterinary-Lieutenant Baldrey, and expresses his satisfaction with the staff generally."

RESOLUTION.—Government concur with the Director of Public Instruction and have nothing to add to his review of this report.

J. DEC. ATKINS,
Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Pálanpur,

} With copies of the Report.

[P. T. O.

The Political Superintendent, Sávantvádi,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Survey Commissioner and Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Editors' Table, Bombay,
The Editors' Table, Poona (*care of* the City Magistrate, Poona),
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum, *care of* the Secretary to the Belgaum Municipality,
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press (with a request that the copies of the Report required by this Department may be sent as soon as possible),

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Secretary of State for India,
The Officer in charge, Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1897-98.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1898.

[Price—3 Annas.]

BOMBAY BRANCH

OF THE

Royal Asiatic Society.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1897-98.

Jj-K-37.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1898.

No. 488 of 1898.

Bombay Veterinary College,
dated 18th May 1898.

FROM

JAMES MILLS,
Veterinary Major, A. V. D., J. P.,
Fellow and Examiner, Bombay University;
Principal, Bombay Veterinary College;

To

THE HONOURABLE MR. E. GILES, M.A.,
Director of Public Instruction,
Poona.

SIR,

I have the honour to submit the twelfth Annual Report of the Bombay Veterinary College dealing with its administration during the official year 1897-98. A brief outline of the duties performed in connection with the Bái Sákarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1897, is embodied in the report.

Professional Examinations.

2. As previously resolved, the time of holding the professional examinations was changed from April to September, and they were accordingly conducted from 29th August to 4th September.

The following gentlemen formed the Board of Examiners:—

President.

Veterinary-Captain J. W. A. Morgan, Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Veterinary-Captain W. D. Gunn, Assistant to the Inspector-General, Civil Veterinary Department.

Veterinary-Lieutenant H. J. Axe, Officer in charge Chief Station Veterinary Hospital, Deesa.

The results of the examinations, which will be found in Appendix A, were declared on the 4th September, when also the prizes, as per Appendix B, were announced and awarded by the President of the Board with a few words of advice to the students by him and the Principal.

It will be seen from Appendix A that 28 candidates passed in the three classes out of 56 that presented themselves at the examinations. The percentage of passes is 50·00 this year, as against 59·25 and 72·54 in 1896 and 1895, respectively.

The examinations were conducted by the above-mentioned three officers only, Government having ruled that there was no need for the College officers or outside gentlemen to act as co-examiners, and also that there was no necessity for having a medical practitioner to act as examiner in Chemistry and Botany.

The Assistant to the Inspector-General, Civil Veterinary Department, having proposed a revision in the allotment of marks in some subjects, a Conference composed of the Superintendent, Civil Veterinary Department, Principal and Assistant Principal was appointed by Government, at the suggestion of the Inspector-General, Civil Veterinary Department, to consider whether the revision was necessary. The Conference was also asked to report upon the question of the duration of examinations and vacation. Accordingly the Conference was held on 14th March, and the following alterations were recommended by it:—

(*a*) *In Operative Surgery* the marks should be altered from 50 to 100.

(*b*) *Vacation.*—The vacation should be a continuous one for three months, *i.e.*, from 1st April to 30th June.

(*c*) *Change of the Date of the Examinations.*—The examinations should be held from the 10th to 20th December, and the opening day of the College should be 4th of January.

(*d*) *Duration of Examinations.*—That the duration of the examinations should be laid down at ten days. This is a very necessary measure; for to attempt to carry out examinations in seven days, as was done in September last, which had heretofore taken from ten to twelve days with eight examiners instead of three, is incompatible with the mental and physical capabilities of the students, and I as Principal hope never to see it repeated.

Information relating to students.

3. On the 1st April 1897 there were 69 students on the College rolls. There were only 7 fresh entries during the year as against 25 and 21 in 1896-97 and 1895-96, respectively. This year all the fresh entries were in Class A, no student having joined under concession. Twenty-three students left the College during the year—2 from Class C, 5 from Class B, and 9 from Class A—mainly owing to their failures at the examinations and inability to continue their studies. Seven graduated in September.

The prevalence of the Bubonic Plague in Bombay and in the mofussil had also an effect on the entries and withdrawals. More than 100 applications for admission were received and it was expected that at least about 25 students would join in January last. But many of them were induced to give up the idea on account of quarantine difficulties and the fear of remaining away from their families in Bombay in the midst of the epidemic.

It is, however, noticeable that many of the students who passed through the plague of the last year, and who then absented themselves from their studies through fear, have this year remained at College, although the disease was just as prevalent. Consequently, the attendance was what might be termed fair as compared with the previous year.

Out of the seven students that joined during the year, one came from Sind and one from Nágpur.

Appendix D shows the number of students of different nationalities on the College rolls at the end of the year. In the fresh entries there are three Pársis, two Hindus, and two Mahomedans.

Appendix E shows the number of students attending, supported by Native States, Local Boards, Municipalities, &c. The number of students that attended under this head was 8 as against 14 and 13 in 1896-97 and 1895-96, respectively. Of the 8 students 4 were Hindus, 2 Mahomedans, and 2 Native Christians. Three students left the College, having graduated, and three on account of their stipends having been withdrawn as they were making bad progress.

Employment of graduates, and the two years' course.

4. Out of the seven graduates that passed this year, one has established himself in private practice at Bangalore and the remainder have obtained employment—one in charge of the State Veterinary Dispensary at Wadhwán; one in charge of the State Paddock at Manavadar on a salary of Rs. 70; two as Itinerating Veterinary Officers under the District Local Boards of Belgaum and Shikárpur, each on a salary of Rs. 50 rising to Rs. 100; one is acting as Lecturer on Anatomy at the College; and one as Instructor in Shoeing.

From the previous graduates one has got employment in the Porbandar State on a salary of Rs. 100. At my suggestion, the Bombay Municipality has entertained the services of a graduate of this College on a salary of Rs. 125, with a travelling allowance of Rs. 25, for inspecting milch and other cattle in the town of Bombay with a view to prevent the spread of rinderpest, foot and mouth disease, and other diseases—especially those communicable or injurious to man. I am glad to be able to add that it is also intended to employ a second graduate in a similar capacity.

The scale of pay for the two lecturers at the Bengal Veterinary Institute having been revised and fixed at Rs. 150 rising to Rs. 200, two good men from this College were selected for the appointments. The appointment of Superintendent of Slaughter-houses, Mandalay, Burma, was given to a graduate with a salary of Rs. 175 rising to Rs. 200.

An application from the Superintendent, Civil Veterinary Department, Bengal, asking for the services of three graduates for temporary employment in the Bengal Presidency under the Glanders Act was received. A similar application was received for the Superintendentship of the State Paddock at Rájkot, but up to the end of the year no settlement regarding these appointments had been arrived at.

Applications for men from the Jodhpur State, for the Ahmedabad Market Inspectorship, and for temporary itinerating duty in the Karáchi District were received. Of these three appointments, Jodhpur is still in abeyance; for Karáchi the itinerating graduate was transferred from Shikárpur, and the Ahmedabad Municipality employed a man who was not a graduate, although one was recommended. I am, however, of the opinion that appointments of this description should always be held by men with special veterinary qualifications.

Owing to the Frontier wars there was a great demand for salutris, and inquiries were made by the Commissariat Transport Department whether such men were available at the College. I had to reply that there were none. Our present men refuse such appointments, not only for want of sufficient remuneration, but because of the nature of the work they would have to perform. In my report on the two years' course I have brought to the notice of Government that for such work, and also for continuous travelling duty, men from the labouring classes should only be trained and that such training should be given in Hindustáni, a language more or less understood by every community in India, as it is rare to find men of this class with even a rudimentary knowledge of English. Besides, they must be men able to stand hard work. These men too, it has been pointed out, will be useful for employment as municipal market inspectors and veterinarians to petty Native States who are unable to employ graduates.

Cattle-disease repression.

5. Rinderpest broke out in almost all the districts in the Presidency, but, except Karáchi, no district asked for the services of a graduate. In Bombay there was a severe outbreak of foot and mouth disease and a mild one of rinderpest in June 1897, when, at my recommendation, the Bombay Municipality appointed Mr. H. Foy, G.B.V.C., as an Inspector to inspect all milch cattle in the town. He did this work for a month only. These diseases having again broken out, the services of Mr. Mahomedkhan Bowakhan, G.B.V.C., were at once entertained in December last, and he continues to serve.

Extra duties.

6. The following extra duties were performed by me:—

(*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Advised as to the management and treatment of animals at the Victoria Gardens, in the capacity of Honorary Veterinary Surgeon.

(*c*) Inspected horses in Bombay and Bándra stables, at the Harbour and the Sewri Lazaretto.

(*d*) Acted as Co-examiner at the Bombay University in veterinary subjects for the Diploma and Second in Agriculture Examinations.

(*e*) Treated sick animals belonging to the Commissariat Department.

(*f*) Performed the duties of receiving and despatching stallions imported for the Civil Veterinary Department.

15 horses and 36 donkeys were landed and despatched. Besides this, 29 Arab and other stallions purchased in Bombay were received and despatched. In this work I was assisted by Veterinary-Lieutenant Baldrey and Mr. Dhákmárvála.

(*g*) Served as a Government member of the Bombay Municipal Corporation.

(*h*) Assisted Professor Haffkine in his experiments in regard to the Bubonic Plague.

(*i*) Assistance was also given by me to Dr. Koch, Dr. Gaffkie and Professor Pfieffer of Germany, Dr. Lustig of Italy, and Surgeon-Major Deane of Bangalore, who had come here to study the plague.

(*j*) Inspected the chargers of officers proceeding to the Front.

(*k*) Advised the Commissioner of Police regarding the purchase of horses for the Mounted Police.

(*l*) Had translated and published, by sanction of Government, Dr. Koch's reports on Rinderpest for general distribution.

The following extra duties were performed by Veterinary-Lieutenant Baldrey:—

(*a*) Acted as Veterinary Practitioner under the Glanders and Farcy Act in Bombay.

(*b*) Studied Dr. Koch's method of immunising cattle against rinderpest at the Mukhtesar Imperial Bacteriological Laboratory and reported the results, finally advising that the serum inoculation may be tried in India.

(*c*) Acted as Co-examiner at the Bombay University in Veterinary subjects for the Diploma and Second in Agriculture Examinations.

(*d*) Inoculated persons with M. Haffkine's plague prophylactic serum.

(*e*) Inspected chargers of officers going on active duty to the Front.

(*f*) Studied the variety of the Gir cattle, Government having permitted him to visit Káthiáwár during last Christmas.

Teaching Staff.

7. On the 1st of June 1897, Veterinary-Lieutenant Baldrey, Assistant Principal, was deputed, for a month, to Mukhtesar. During his absence Mr. N. D. Dhákmárvála acted as Assistant Principal and Mr. H. Foy as Instructor in Anatomy and Physiology. Mr. Foy was transferred to the Bengal Veterinary Institute as a Lecturer and Mr. Mahomedkhan Bowakhan was appointed substantive *pro-tem.* Instructor in Shoeing from 5th September, Mr. E. H. Brand having succeeded him when he was required by the Bombay Municipality for cattle-disease repression duty. I having been taken seriously ill with abscess in the liver obtained three months' privilege leave from 15th February 1898. During my absence, Veterinary-Lieutenant Baldrey acted as Principal, Mr. N. D. Dhákmárvála as Assistant Principal, Mr. E. H. Brand as Instructor in Anatomy and Physiology, and Mr. S. V. Soman, G.B.V.C., as Instructor in Shoeing.

Veterinary-Lieutenant Baldrey has performed his duties with zeal and to my satisfaction.

Mr. Dhákmárvála acted as Resident Veterinary Officer throughout the year. Mr. V. E. Vakharia, Assistant Professor of Chemistry and Botany, performed the duties of Librarian in addition to his own. Both Mr. Dhákmárvála and Mr. Vakharia have been diligent and painstaking in the discharge of their duties.

Branches of Study.

8. Seventeen subjects were obtained for dissection this year. This also afforded a means for the senior students to learn operative surgery.

The Management of Dairy, Work Cattle, &c.—As the plague was raging at Poona, no lectures were delivered at the usual time on these subjects to the present batch of senior students, but it is proposed to send them to Poona in July next.

Excursions.

9. An excursion tour to Káthiáwár had to be abandoned on account of quarantine difficulties. However, it has been arranged to have it in the monsoon. Excursions to the Victoria Gardens were, as usual, conducted under the supervision of the Principal and the Assistant Professor of Chemistry and Botany.

Physical Training.

10. The *Riding Class* was held this year at the Light Horse Menage at Chaupáti, only once a week instead of thrice as usual, from January to March. A few cricket matches were played by the students. The students were practised in the use of dumb-bells, Indian clubs, boxing gloves, &c.

Museum and Library.

11. Pathological, anatomical and physiological specimens have been added and many replaced in the museum. Periodicals and new books continued to be purchased. The work of binding periodicals and rebinding books was carried out as far as funds would permit.

Donors of Prizes.

12. The following gentlemen should be thanked for their liberality in contributing to the College Prize Fund :—

Sir Dinshaw Maneckji Petit, Bart.
The Honourable Mr. Justice Fulton.
Veterinary-Captain J. W. A. Morgan.
Veterinary-Lieutenant F. S. H. Baldrey.
N. D. Dhákmárvála, Esq., G.B.V.C.

I have also continued my two prizes.

Visitors.

13. The following gentlemen visited the College and Hospital :—

Major-General P. J. Maitland, C. B., Secretary to Government of India, Military Department.
The Honourable Mr. Justice Fulton.
The Honourable Mr. Justice Parsons.
Veterinary-Colonel Queripel, Inspector-General, C. V. D.
Dr. A. Lingard, Imperial Bacteriologist.
Mr. J. Mollison, Deputy Director of Agriculture.
Professor Koch.
Professor Haffkine, C.I.E.

Hospital.

14. The records of the hospital give the following information relative to patients, &c. :—

(*a*) *In-patients.*—1,321 were admitted in 1897 as against 2,314 in 1896, showing a decrease of 993. This was owing to the practical closing of the hospital during the first four months of the year on account of the plague. The various classes of animals admitted were as follows :—Horses 352, cattle 707, and dogs 262. The daily average was 121, showing a decrease of 56·5 when compared with that of the last year.

(*b*) *Out-patients.*—618 were treated in 1897, as against 893 in 1896, showing a decrease of 275. The same reason for in-patients applies to the decrease in the number of out-patients.

(*c*) *Mortality.*—The mortality in horses for 1897 was at the rate of 6·70 per cent., in cattle 5·44, and in dogs 34·47 as against 4·85 per cent., 5·56 and 30·06, respectively, in the last year.

(*d*) *The Supply of Medicine and Pharmacy Requisites.*—The continuance of the scheme for the supply of medicines, &c., to the hospital from the Government Medical Stores was recommended and sanctioned, the system having been found to work satisfactorily.

(*e*) *Buildings.*—An incinerator for burning stable refuse, &c., has been built according to my plans. The hospital servants' quarters have been rebuilt and the roads in the compound remetalled. Much of the low-lying portions of the compound are being filled in.

(*f*) An *ambulance* for animals has been built at a cost of Rs. 1,200, the idea of which was started by me, I having called for public subscriptions to meet the cost, but only a small portion of it was contributed in this way, the balance being made up by the Society for the Prevention of Cruelty to Animals.

(*g*) *Management.*—The Manager and his Assistant have, as far as I am concerned, discharged their duties satisfactorily.

Buildings.

15. The sum of Rs. 502-5-11 was spent on repairs of buildings during the year. No new building was erected.

Office.

16. On completion of the Glanders staff, a clerk was entertained for that Department and the Chief Inspector was relieved of office duties, so as to allow him to devote all his time to the supervision of the Inspectors. The office work was transferred to the College. The services of Mr. L. Cardoz, Second Clerk, were dispensed with, as he failed to pass one of the tests qualifying him for retention in Government service. Mr. S. M. Vaidya, the Third (or Glanders Department) Clerk, has been promoted, sub. *pro-tem.*, in his place. The clerical work of both the College and Glanders Department has been efficiently carried out under the supervision of the Head Clerk Mr. V. B. Phatak.

17. Appendix F is the financial statement for the year under report. It will be seen from it that the total expenditure during the year was Rs. 37,732 as against Rs. 36,050 and Rs. 40,176 in the year 1896-97 and 1895-96 respectively, showing a saving of Rs. 2,364 on the total budget provision for the year.

Rs. 1,680 were collected as fees, out of which Rs. 600 were the arrears for the last year outstanding owing to the absence of students through the plague. Students being excused fees for one term under Government Resolution, Educational Department, No. 1923, dated 9th October 1896, the collection for the year was less.

The cost of instruction according to the number of students that qualify at the College is higher than at other Veterinary Institutions in India. But those Institutions cannot be compared with this College, where the curriculum of study is altogether of a higher character and the tests most severe and searching.

I have the honour to be,

Sir,

Your most obedient Servant,

JAMES MILLS, Vety.-Major, A. V. D.,

Principal, Bombay Veterinary College.

APPENDIX A.

Bombay Veterinary College.

Results of Professional Examinations, September 1897.

Examinations.	First Class.	Second Class.	Pass.	Total Candidates.		Percentage of Passes.
				Examined.	Passed.	
First Professional ...	...	8	4	19	12	63·01
Second Professional ...	...	6	3	23	9	39·01
Third Professional ...	...	7	...	14	7	50·00
Total ...	...	21	7	56	28	50·00

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

18th May 1898.

APPENDIX B.

Return of Prizes, &c., awarded to the Students of the Bombay Veterinary College for 1897-98.

No.	Subject.	Nature.	Value.	Successful Candidates.	Donor's Name.
	Third Professional.		Rs.		
1	Best Student	Books and Instruments	40	A. L. Patadia	Sir D. M. Petit, Bart.
2	Best Hindu Student	Silver Medal	15	A. L. Patadia	M. R. Ry. Man Mull.
3	Operative Surgery	Books and Instruments	30	R. W. Simpson	Veterinary-Major J. Mills.
4	Soundness	Silver Medal	15	R. W. Simpson	Government.
5	Breeding and Obstetrics	Books and Instruments	32	A. L. Patadia	Veterinary-Captain J. W. A. Morgan.
6	Shoeing	Do. do.	15	A. L. Patadia	Veterinary-Major J. Mills.
	Second Professional.				
7	Best Student	Books and Instruments	30	B. Basu	Hon. Mr. Justice Fulton.
8	Anatomy and Physiology	Do. do.	20	N. K. Malandkar	Sir D. M. Petit, Bart.
9	Medicine and Surgery	Do. do.	20	M. A. Montant	Veterinary-Lieutenant F. S. H. Baldrey.
	First Professional.				
10	Best Student	Books and Instruments	20	J. F. L. DeMonte	Hon. Mr. Justice Fulton.
11	Handling of Animals	Silver Medal	15	J. F. L. DeMonte	Steel Memorial Committee.
12	Anatomy and Physiology	Books and Instruments	10	J. DeCosta	N. D. Dhákmárvála, Esq.
13	Results of Examinations	Government Scholarships	Each 60	Class B.—Basu, Montant, Malandkar, Chinniah, Rebello, Mudliar. Class A.—De Monte, De Souza, De Costa, Hanbarhati, Satralkar, Pereyra, Miranda, Kershaw and Shaik.	

18th May 1898.

JAMES MILLS, Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX C.

Bombay Veterinary College.

Return showing Changes in the Number of Students in 1897-98.

Class.	Number of Students on 1st April 1897.	Withdrawn.		Entries.		Number of Students on 31st March 1898.	Remarks.
		Number of Students left the College.	Number of Students transferred.	Number of Students transferred.	New entries.		
Class C	14	9	...	9	...	14	
Do. B	25	5	9	12	...	23	
Do. A	30	9	12	...	7	16	
Total ...	69	23	21	21	7	53	

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

18th May 1898.

APPENDIX D.

Bombay Veterinary College.

Table showing the Number and Nationality of Students for the year 1897-98.

Caste.	Paying.	Native States.	Government Free.	Municipal Free.	Total.	Remarks.
Class C.						
Mohamedans	...	...	...	1	1	
Hindus	3	1	3	1	8	
Portuguese and Native Christians ...	2	2	...	1	5	
Total ...	5	3	3	3	14	
Class B.						
Europeans and Eurasians	2	..	...	...	2	
Portuguese and Native Christians ...	5	1	2	...	8	
Mohamedans	1	1	...	...	2	
Pársis	1	...	2	...	3	
Hindus.	3	1	4	...	8	
Total ...	12	3	8	..	23	
Class A.						
Europeans and Eurasians	1	...	...	...	1	
Mohamedans	1	1	1	...	3	
Pársis	6	...	...	...	6	
Hindus	5	1	...	...	6	
Total ..	13	2	1	...	16	
Grand Total ...	30	8	12	3	53	

JAMES MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

18th May 1898.

APPENDIX E.

Return showing Caste and Number of Students from Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1897-98.

Province, Presidency or State.	Number of			Remarks.
	Hindus.	Mohamedans.	Native Christians.	
Kolhápur State	1	...	...	
Cochin do.	...	...	1	
Gwalior do.	1	...	...	
Mysore do.	1	...	...	
District Local Board, Shikárpur ...	...	1	...	
District Local Board, Thar and Párkar	...	1	...	
Ceylon Government	1	...	...	
Sholápur Municipality	...	...	1	

18th May 1898.

JAMES MILLS, Vety.-Major, A.V.D.,
Principal, Bombay Veterinary College.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

APPENDIX F.

Financial Statement of the Bombay Veterinary College for 1897-98.

Budget Sanction. Heads.	1896-97. Rs. a. p.	1897-98. Rs. a. p.	Actual Expenditure. Heads.	1896-97. Rs. a. p.	1897-98. Rs. a. p.
From Government Salaries:—					
Teaching staff	30,268 0 0	29,620 0 0	Teaching staff	25,478 11 4	28,103 3 11
Establishment	2,400 0 0	2,400 0 0	Establishment	2,456 2 6	2,576 0 0
Contingent expenditure	1,222 0 0	1,228 0 0	Contingent expenditure	1,221 2 5	1,227 3 2
Scholarships	900 0 0	900 0 0	Scholarships	900 0 0	900 0 0
Chemicals	200 0 0	200 0 0	Chemicals, &c.	142 4 0	271 9 7
Examiners' fees	300 0 0	300 0 0	Examiners' fees	781 8 3	345 4 0
Riding fees	300 0 0	300 0 0	Riding fees	.....	160 0 0
House-rent allowance	720 0 0	1,440 0 0	House-rent allowance	855 7 9	1,080 0 0
Books, periodicals, &c.	438 0 0	438 0 0	Travelling allowance	.....	594 1 0
Travelling allowance to officers	200 0 0	200 0 0	Furniture and apparatus	394 0 0	392 5 0
Furniture and apparatus	394 0 0	394 0 0	Buildings and repairs	995 11 4	502 5 11
Buildings and repairs	1,026 0 0	502 0 0	Conveyance allowance	924 11 4	.....
Conveyance allowance to Principal	420 0 0	.....	Books, periodicals, &c.	437 7 5	437 6 11
Excursion charges	500 0 0	500 0 0	Honorarium to three Assistant Veterinary Officers.	900 0 0	900 0 0
Honorarium to three Assistant Veterinary Officers	900 0 0	900 0 0	Excursion charges	63 8 0	.....
Charges for instruction in dairy, work cattle, &c.	500 0 0	500 0 0	Charges for instruction in dairy, work cattle, &c.	500 0 0	.....
Rates and Taxes	.....	94 0 0	Rates and Taxes	.....	63 0 0
Conveyance allowance to Assistant Professor of Anatomy	.....	180 0 0	Conveyance allowance to Assistant Professor of Anatomy	.....	180 0 0
Total	40,688 0 0	40,096 0 0	Total	36,050 10 4	37,732 7 6

Note.—Statement of receipts on account of the College credited to Government—

Heads.	1896-97. Rs. a. p.	1897-98. Rs. a. p.
Municipal Contribution	2,500 0 0	2,500 0 0
Fees from Students	2,520 0 0	1,680 0 0
Rent of Students' quarters	64 0 0	106 0 0

18th May 1898.

J. MILLS, Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

Administration Reports.—
Bombay Veterinary College.
Report of the — for the year 1897-98.

Educational Department.
No. 798

Bombay Castle,
11th July 1898.

Letter from the Director of Public Instruction, No. 1632, dated the 25th June 1898.

"I have the honour to submit herewith a copy of the Report of the Bombay Veterinary College for the year 1897-98.

"2. The attendance at the College has been affected by the plague, but it is worthy of note that though few new students joined the College, most of those who were already there continued to attend during the year and did not leave Bombay, as they did in 1896-97.

"3. The examination results are, judging by percentage, somewhat inferior to those of the two previous years, but this is no doubt due to the irregular attendance during 1896-97. But it is satisfactory to note (Appendix A) that out of 28 who passed 21 were in the second class and 7 only secured a bare pass.

"4. The information given in paragraph 4 of the report shows that the graduates of this College quickly obtain employment and occasionally on very high remuneration. Thus three men have obtained posts in Bengal and Burma at initial salaries of Rs. 150 and Rs. 175. The influence of the College is wide-spread, and it is satisfactory to note that students from Cochin, Ceylon, Gwalior and Mysore attend the College.

"5. Both the Principal and Vice Principal had extra duties to perform in connection with Plague and Rinderpest experiments, and Lieutenant Baldrey was specially deputed to Mukhtesar to study Dr. Koch's method. At the close of the year the Principal had to take sick leave and the Vice-Principal acted for him.

"6. After the year had closed I visited the College, and was favourably impressed by all that I saw. The College has, I think, been efficiently managed, and it is to be hoped that in the current year nothing will occur to interfere with the steady progress and development of the institution."

RESOLUTION.—His Excellency the Governor in Council has only to add to the remarks of the Director of Public Instruction that it is satisfactory to observe that in spite of the disadvantages under which the College has laboured during the past two years, the record is such a favourable one. The proposals mentioned in paragraph 2 of the Report have already been sanctioned by Government Resolution No. 452, dated 18th April 1898.

2. Copies of the report should be distributed as usual.

A. C. LOGAN,
Acting Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,

} With copies of the Report.

[*P. T. O.*

The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Pálanpur,
The Political Superintendent, Sávantvádi,
The Political Resident, Aden,
The Superindendent, Civil Veterinary Department,
The Survey Commissioner and Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Editors' Table, Bombay,
The Editors' Table, Poona, (*care of* the City Magistrate, Poona),
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum, *care of* the Secretary to Belgaum Municipality.
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press (with a request that the copies of the Report required by this Department may be sent as soon as possible),

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Secretary of State for India,
The Officer in charge, Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1898-99.

133481

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1899.

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BOMBAY BRANCH
OF THE
Royal Asiatic Society.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1898-99.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1899.

No. 488 of 1899.

Bombay Veterinary College,
Parel, 15th May 1899.

From

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D., J. P.,
Fellow and Examiner, Bombay University;
Principal, Bombay Veterinary College;

To

The Honourable Mr. E. GILES, M.A.,
Director of Public Instruction,
Poona.

Sir,

I have the honour to submit the thirteenth Annual Report of the Bombay Veterinary College dealing with its administration during the official year 1898-99. A brief outline of the duties performed in connection with the Bái Sákarbái Dinshaw Petit Hospital for Animals for the year ending 31st December 1898, is embodied in the report.

Professional Examinations.

2. The time of holding the professional examinations was again changed from September to December. Therefore, under the College Rules and Regulations, supplementary examinations were proposed and recommended to be held in September, but the proposal did not come into effect, the recommendation having been withdrawn on the advice of Veterinary-Major Morgan. They were accordingly conducted from 10th to 19th December.

The following gentlemen formed the Board of Examiners:—

President.

Veterinary-Captain W. D. Gunn, Assistant to the Inspector-General, Civil Veterinary Department.

Members.

Veterinary-Lieutenant F. S. H. Baldrey, Acting Superintendent, Civil Veterinary Department, Bombay Presidency.

Veterinary-Lieutenant W. O. Dawson, A. V. D., in charge Station Veterinary Hospital, Kirkee.

The result of the examinations, which will be found in Appendix A, were declared on the 19th December, when also the prizes, as per Appendix B, were announced and awarded by the President of the Board, with a few words of advice to the students.

It will be seen from Appendix A that 30 candidates passed from the three classes out of 47 that presented themselves at the examinations. The percentage of passes is 63·82 this year as against 50·00 and 59·25 in 1897 and 1896, respectively.

Government having again decided that there was no necessity for a medical practitioner to act as examiner in Chemistry and Botany, the examinations in these subjects were conducted by the Veterinary Officers on the Board.

This year the standard of marks in Operative Surgery was raised from 50 to 100 under Government sanction—*vide* Government Resolution, Educational Department, No. 452, dated 18th April 1898—and the examiners took upon themselves the responsibility of examining students only practically in the "Handling of Animals" at the First Professional Examination and in "Shoeing" at the Third

Professional, as they deemed it unnecessary to have written examinations in these subjects.

Information relating to students.

3. On the 1st April 1898 there were 53 students on the College rolls. There were 8 fresh entries during the year as against 7 and 25 in 1897-98 and 1896-97, respectively. All the fresh entries were in Class A, no students having joined under concession. 22 students left the College during the year—8 graduated, and 3 from Class C, 4 from Class B, and 7 from Class A, owing to their failures and inability to continue their studies. The number of students on the rolls at the end of the year was 39.—*Vide* Appendix C.

The change in the commencement of the collegiate year was advertised in the several Indian, Provincial and Colonial Government Gazettes and the local newspapers. Two hundred applications for admission were received from different parts, and it was accordingly expected that the number of students entering the College would have shown a considerable increase, but such did not take place because of the serious recrudescence of the plague.

Out of the 8 students that joined during the year, one is a native of Ceylon, two of Kathiáwár, one of Dewas State and four belong to the Bombay Presidency. Constable E. De Burgh, of the Mounted Police, attended as a casual student.

Appendix D shows the number of students of different nationalities on the College rolls at the end of the year. In the fresh entries there were 4 Hindus, 3 Mahomedans and 1 Native Christian.

Appendix E shows the number of students attending supported by Native States, Local Boards, Municipalities, &c. The number of students that attended under this head was 7 as against 8 and 14 in 1897-98 and 1896-97, respectively. Of the 7 students, 3 were Hindus, 3 Mahomedans and 1 a Native Christian. Of these students 2 left the College having graduated, and 1 on account of his inability to continue his studies, as the State that sent him ceased to continue their patronage towards him.

Employment of graduates.

4. Of the 8 students that graduated this year, one has established himself in private practice in Bombay, one is employed under the Ceylon Government, one as sub. *pro-tem.* Instructor in Shoeing, one as Assistant Veterinary Officer at the College, one as Assistant Veterinary Officer, Junágad, and three remain unemployed.

From the previous graduates two were specially selected at the commencement of the year for temporary employment in Bengal in connection with the use of mallein, where they continued at work until the end of the year. His Highness the Thákore Sáhib of Morvi selected a European graduate for employment under him on a salary Rs. 125 rising to Rs. 200, but he had to return, as the Political authorities did not approve of his appointment. The same graduate, however, obtained the appointment of Lecturer on Anatomy at the Bengal Veterinary Institute on a salary of Rs. 150 rising to Rs. 200. Another European graduate obtained an appointment as Assistant Veterinary Surgeon to the British Protectorate in Uganda on a salary of £360 per annum. A graduate performed the duty of Interpreter at the Army Veterinary School, Poona, during the lecturing season of 1898. A graduate established himself in private practice at Poona. Three graduates died from plague.

An extra lecturer's appointment on a salary of Rs. 100 rising to Rs. 150 sanctioned at the Bengal Veterinary Institute has been offered to the graduates of this College. The Inspector-General, Civil Veterinary Department, made enquiries as to whether graduates were available for four appointments in the Cashmere State and a reply was given in the affirmative. Nothing further, however, has been heard of these appointments.

It is to be regretted that the demand for graduates in the Presidency has not been so good during the year under report, which is no doubt due to the prevalence of plague in the Mofussil. Local Boards, too, have made no fresh appointments.

It is contended that the students of this College are deficient in practical knowledge, though they are said to be good at operations, and that the College

is unable to supply men for active service, connecting this inability with the small number turned out. With reference to this contention, it is hardly necessary for me to point out that constant endeavours are being made to turn out the students as practical men as possible; but the task is an extremely hard one, because of the fact that they are not, in the majority of instances, recruited from the class of people who are brought up amongst animals, and it is hardly to be expected that many students will come from this class, as their educational capabilities are not sufficiently advanced to enable them to study here. The students of this College cannot be compared with those of other Veterinary Institutions in India, because they are quite a different class and undergo a different training and different tests.

In regard to the professional value of the *alumni* of the College I cannot refrain from quoting a few words from a speech delivered here by His Excellency Lord Harris :—

"Last year the calculation showed the average cost to Government was something between Rs. 400 and Rs. 500 per head. But I do consider that we ought not to grudge any amount of that kind devoted to such a purpose. Of course, if the number of students is larger, the capitation grant will be decreased; but I do think we ought not to grudge that expenditure of public funds when you recognise that Bombay is the only part of India that at this present moment is able to turn out men educated in this country capable of taking charge of animals for the purpose of curing their diseases in an intelligent manner. I am aware, of course, that there are throughout India plenty of empirics, men who have a fair knowledge of what to do in ordinary cases, and who can deal skilfully, no doubt, with routine cases. But if India were to depend upon herself for the intelligent treatment of animal diseases, it must have something more than that class of men to depend upon; and at present it is only to this College that it can turn for men capable of bestowing that intelligent treatment which is as necessary in the case of animals as in the case of human beings."

These utterances are the true enunciations of the principles which guide the nature of the teaching at the College and go far to delineate the utility of our graduates. Many of our men now hold important and responsible positions in the subordinate veterinary service in India and elsewhere, and are giving, I have reason to believe, every satisfaction.

I may point out, too, that it has never been the case that the demand for, and the supply of, graduates did not coincide. If ever the College was not able to supply men it was solely due to the fact that the emoluments and general conditions offered were such that no graduate could possibly accept them.

Vernacular course.

5. The question of a certificate class was again under discussion during the year. It was dealt with by Mr. Muir-Mackenzie, as Survey Commissioner and Director of Land Records and Agriculture, and he strongly advocated the necessity of having a separate cheap vernacular course of two years. The Director of Public Instruction accordingly recommended the appointment of a Committee to consider the whole subject of the course. The Committee was composed of :—

The Survey Commissioner and Director of Land Records and Agriculture.

The Principal, College of Science, Poona.

The Principal, Bombay Veterinary College.

The Superintendent, Civil Veterinary Department.

The following questions were forwarded by Government for the consideration of the Committee, and their opinion is placed against each :—

(*a*) Whether the school certificate class should be at the Bombay Veterinary College, Parel, or at the College of Science, Poona ?	(*a*) That it is necessary for the class to be held at the Veterinary College, Parel. At Poona there are not sufficient numbers and varieties of animals available. In existing circumstances, this is an insuperable difficulty and until the numbers and varieties of animals sent to the Poona establishment very greatly increase, it will continue to be so.

(*b*) Whether the teaching should be in English or the vernacular, it being remembered that Hindustáni is not a vernacular in any portion of the Presidency?	(*b*) That the instruction should not be in English. The class of men required for the work to be done is not found among those who have learnt English. The instruction should, therefore, be given in the two principal vernaculars of the Presidency, Maráthi and Gujaráti.
(*c*) Whether the two years' course should be complete in itself or be a part of the longer course for the diploma?	(*c*) The two years' course should not form part of that for the diploma, which is conducted in English and which includes throughout subjects unnecessary for purely practical purposes, but should be separate. It is intended to teach a different class of men whose instruction will be almost entirely practical and who will be under the supervision of the diplomates.

It is hoped that this question will be favourably dealt with, both by the Local Government and the Government of India, and sanction for the establishment of this class accorded. As represented from time to time in my reports on this subject it is, in my opinion, very necessary to have such a class of men trained for service in this Presidency and the outlying Provinces and Native States. They will stand the hard work of itinerating, be a cheaper agency and will in time assist to fulfil the wishes of the Government of India in as much that every táluka will have a Veterinary Assistant.

I am given to understand that for district Veterinary work in the Central Provinces men are recruited from Lahore or Calcutta. This is also done in some of the Native States in proximity to this Presidency. Had Bombay such men, they no doubt would have been given the preference in these instances. It is, however, equally incontrovertible to retain the class of men we are at present turning out, without whom the Veterinary Service would be incomplete, as their superior knowledge is requisite to fill the immediate supervising appointments in the districts in relation to horse and cattle breeding, cattle diseases and to be in charge of Veterinary dispensaries.

Vacation

6. Hitherto the College broke up for six weeks, twice in the year, but it has now been resolved, on the recommendation of a conference appointed by Government, that the College should have a continuous vacation of three months from 1st April to 30th June. This change came into force, for the first time, in this year, and will no doubt be of great benefit both to teachers and students.

Deputations for cattle disease repression.

7. An outbreak of anthrax was reported to have broken out amongst the horses belonging to the Mounted Police of Sholápur, and Mr. E. Brand, G.B.V.C., was deputed to inspect the animals, but the disease had disappeared before he reached the place. Mr. S. V. Soman, G.B.V.C., was deputed to Máhim in the Thána District, with a view to ascertain whether rinderpest existed there and to procure hides from such cases. Mr. A. K. Duberia, G.B.V.C., was deputed to inspect tonga ponies suffering from Surra at Bassein. I also visited the place.

Extra duties.

8. The following extra duties were performed by me:—

(*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Advised as to the management and treatment of animals at the Victoria Gardens in the capacity of Honorary Veterinary Surgeon.

(*c*) Inspected horses in Bombay and Bándra Stables, at the Harbour, and the Sewri Lazaretto.

(*d*) Acted as Co-Examiner at the Bombay University in Veterinary subjects for the Diploma and Second in Agriculture Examinations.

(*e*) Treated sick animals belonging to the Commissariat Department.

(*f*) Performed the duties of receiving and despatching stallions imported for the Civil Veterinary Department. Thirteen horses and 62 donkeys were landed and despatched. Besides this, 25 horses and 4 donkeys, purchased in Bombay, were received and despatched. In this work I was assisted by Veterinary-Lieutenant Farmer and Mr. Dhakmarwala.

(*g*) Inspected and certified as to the fitness of cattle belonging to the Transport Department for field service.

(*h*) Advised the Commissioner of Police regarding the purchase of horses for the Mounted Police.

(*i*) Conducted Rinderpest experiments at the Sewri Lazaretto with a view to determine whether hides prepared according to the native method for export are capable of conveying the disease to other animals.

(*j*) Conducted Rinderpest bile experiments.

(*k*) Acted as a member of the Committee appointed by Government to draw up the draft rules regulating the inspection of animals, &c., under the Live Stock Importation Act.

(*l*) Acted as a member of the Committee appointed to report on the necessity of a Two Years' Course of Instruction.

Teaching Staff.

9. On my return from three months' privilege leave on the 16th May, Veterinary-Lieutenant Baldrey and Mr. Dhakmarwala reverted to their former appointments. When Veterinary-Lieutenant Baldrey was on the 15th November transferred to act as Superintendent, Civil Veterinary Department, Mr. Dhakmarwala acted as Assistant Principal, and Veterinary Inspector Shaikh as Lecturer on Anatomy and Physiology, in addition to his own duties, until the arrival of Veterinary-Lieutenant Farmer on the 26th November.

Mr. V. E. Vakharia, Assistant Professor of Chemistry, obtained one month's privilege leave from 5th January and Mr. J. F. Valladares, G.B.V.C., acted for him.

Mr. E. H. Brand, G.B.V.C., sub. *pro-tem.* Instructor in Shoeing, having obtained an appointment as Lecturer at the Bengal Veterinary Institute, was succeeded by Mr. S. V. Soman, G.B.V.C. Mr. Soman subsequently resigned and Mr. Valladares was given the appointment.

The Assistant Principal having arranged his place of residence so as to be at all times available when required for the work, both ordinary and emergent, connected with the hospital, and having taken upon himself the full responsibility relating thereto, Mr. Dhakmarwala was relieved of the duties of Resident Veterinary Officer and ceased to reside on the college premises from 1st August. The question regarding the performance of the duties of Resident Veterinary Officer by the Assistant Principal having been satisfactorily settled, final sanction for the payment of Rs. 60 per mensem as house-rent to that officer was accorded.

The college staff in general have performed their duties to my satisfaction.

Branches of Study.

10. *Anatomy.*—Twenty-one subjects were obtained for dissection this year as against 17 in 1897-98. This also afforded a means for the senior students to learn Operative Surgery.

The Management of Dairy, Work Cattle, &c.—Mr. Mollison, Deputy Director of Agriculture, delivered a course of twenty-five lectures on these subjects at the Government Farm, Kirkee, to the senior students of the college.

Sir Dinshaw Petit Patho-Bacteriological Laboratory.—The laboratory continues to be a very useful adjunct to the college.

11. The excursion tour to Káthiáwár was again abandoned this year, as it was considered inadvisable to travel in that Province, as plague was spreading there.

Physical Training.

12. The *Riding Class* was held this year at the Governor's Body Guard Menage at Chowpáti, five times a week, in January and February. A few cricket matches were played by

the students. The students were practised in the use of dumb-bells, Indian clubs, boxing-gloves, &c.

Museum and Library.

13. Many pathological, anatomical and physiological specimens have been added and many replaced in the Museum. Periodicals and new books were purchased. The work of binding periodicals and rebinding books was carried out as far as funds would permit.

Donors of Prizes.

14. The following gentlemen should be thanked for their liberality in contributing to the College Prize Fund:—

Sir Dinshaw Maneckji Petit, Bart.

The Honourable Mr. Justice Fulton.

Veterinary-Lieutenant F. S. H. Baldrey, A. V. D.

Veterinary-Lieutenant J. Farmer, A. V. D.

N. D. Dhakmarwala, Esq, G.B.V.C.

I have also continued my two prizes.

Visitors.

15. The following gentlemen visited the college and hospital:—

The Honourable Mr. Justice Fulton.

The Honourable Mr. Justice Parsons.

The Honourable Mr. E. Giles, Director of Public Instruction.

Veterinary-Colonel Queripel, Inspector-General, C. V. D.

Dr. Galliotie.

Dr. C. W. Daniels, Malaria Commissioner, Blantyre, British Central Africa.

Hospital.

16. The records of the hospital give the following information relative to patients, &c.:—

(*a*) *In-patients.*—1,510 were admitted in 1898 as against 1,321 in 1897, showing an increase of 189. The various classes of animals admitted were as follows:—Horses 360, cattle 859 and dogs 311. The daily average was 158, showing an increase of 37 when compared with that of the last year.

(*b*) *Out-patients.*—725 were treated in 1898 as against 618 in 1897, showing an increase of 107.

(*c*) *Mortality.*—The mortality in horses for 1898 was at the rate of 6·66 per cent., in cattle 7·03 and in dogs 45·01 as against 6·70 per cent., 5·44 and 34·47, respectively, in the last year.

(*d*) *Operations.*—Appendix F is a statement of the number of operations performed in the hospital. The operations numbered 454, *i.e.*, 106 on horses, 284 on cattle, 58 on dogs and 6 on sheep and goats.

(*e*) *The supply of medicines and pharmacy requisites.*—The scheme for the supply of medicines, &c., to the hospital from the Government Medical Stores has been continued, as this system has been found to work satisfactorily.

(*f*) *Buildings.*—It is under contemplation to build one more cattle wards from the funds subscribed by the friends of Sir Lyttleton Bailey, late President of the Society for the Prevention of Cruelty to Animals, to be named after him; but, as there are already 5 cattle wards to accommodate nearly 200 cattle, I do not see the necessity for more, owing to the congested condition of the compound as far as buildings are concerned. Besides, there are many more urgent necessities which ought to be obtained for the use of the hospital in preference to this, such as an operation theatre, an operating table, a trolly for conveying carcasses from the wards to the *post-mortem* room, loose boxes for colic, laminitis, and lung cases.

(*g*) The *ambulance* for animals has been a great boon to the public and was frequently requisitioned during the year.

(*h*) *Management.*—The Manager and his Assistant have, as far as this Department is concerned, performed their duties satisfactorily.

Buildings.

16. A sum of Rs. 358-5-9 was spent on repairs and Rs. 114-3-10 on additions and alterations to the buildings of the college.

Office.

17. The clerical work of the joint offices of the College and Glanders and Farcy Department is constantly increasing, but has been efficiently carried on under the supervision of the Head Clerk, Mr. V. B. Phatak.

18. During the year, a typewriter was supplied by Government for the use of the office.

19. Appendix G is the financial statement for the year under report. It will be seen from it that the total expenditure during the year was Rs. 38,434 as against Rs. 37,732 and Rs. 36,050 in the year 1897-98 and 1896-97 respectively.

I have the honour to be,
Sir,
Your most obedient Servant,

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX A.

Bombay Veterinary College.

Results of Professional Examinations, December 1898.

Examinations.	First Class.	Second Class.	Pass.	Total Candidates.		Percentage of Passes.
				Examined.	Passed.	
First Professional	1	4	1	12.	6	50·00
Second Professional... ...	1	13	2	20	16	80·00
Third Professional	1	7	...	15	8	53·33
Total ...	3	24	3	47	30	63·82

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

15th May 1899.

APPENDIX B.

Return of Prizes, &c., awarded to the Students of the Bombay Veterinary College for 1898.

No.	Subjects.	Nature.	Value.	Successful Candidates.	Donor's Name.
	Third Professional.		Rs.		
1	Best Student	Books and Instruments ...	40	A. Chinniah	Sir D. M. Petit, Bart.
2	Best Hindu Student	Silver Medal	15	Y. B. Bhagwat	M. R. Ry. Man Mull.
3	Operative Surgery	Books and Instruments ..	30	A. Chinniah	Veterinary-Major J. Brodie-Mills.
4	Soundness	Silver Medal	15	A. Chinniah	Government.
5	Breeding and Obstetrics	Books and Instruments ...	32	T. K. Desai	Veterinary-Lieutenant F. S. H. Baldrey.
6	Shoeing	Do. do. ...	20	D. H. Chitnis	Veterinary-Major J. Brodie-Mills.
	Second Professional.				
7	Best Student	Books and Instruments ...	30	T. E. Rodrigues	Honourable Mr. Justice Fulton.
8	Anatomy and Physiology	Do. do. ...	20	T. E. Rodrigues	Sir D. M. Petit, Bart.
9	Medicine and Surgery	Do. do. ...	20	D. S. Purohit and Rodrigues ...	Veterinary-Lieutenant J. Farmer.
	First Professional.				
10	Best Student	Books and Instruments ...	20	J. K. Shroff	Honourable Mr. Justice Fulton.
11	Handling of Animals	Silver Medal	15	J. K. Shroff	Steel Memorial Medal.
12	Anatomy and Physiology	Books and Instruments ...	10	J. K. Shroff	N. D. Dhákmárvála, Esq.
13	Results of Examinations	Government Scholarships ...	Each 60	Class B.—Rodrigues, DeSouza, DeMonte, Rungunah, Purohit, Kershaw, Miranda, Pereyra, Daver, Kapadia. Class A.—Shroff, Buxy, Trevedi and Haji.	

15th May 1899.

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX C.

Bombay Veterinary College.

Return showing Changes in the Number of Students in 1898-99.

Class.	Number of Students on 1st April 1898.	Withdrawn.		Entries.		Number of Students on 31st March 1899.	Remarks.
		Number of Students left the College.	Number of Students transferred.	Number of Students transferred.	New entries.		
Class C	14	11	...	16	...	19	
Do. B	23	4	16	6	...	9	
Do. A	16	7	6	...	8	11	
Total ...	53	22	22	22	8	39	

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

15th May 1899.

APPENDIX D.

Bombay Veterinary College.

Showing the Number and Nationality of Students for the year 1898-99.

Caste.	Paying.	Native States.	Government Free.	Municipal Free.	Total.	Remarks.
Class C.						
Europeans and Eurasians	2	...	...	...	2	
Portuguese and Native Christians ...	5	...	3	1	9	
Mahomedans	1	...	...	...	1	
Pársis	...	...	2	...	2	
Hindus	2	1	2	...	5	
Total ...	10	1	7	1	19	
Class B.						
Europeans and Eurasians	...	...	...	...	...	
Portuguese and Native Christians ..	...	1	...	...	1	
Mahomedans	1	2	1	...	4	
Pársis	3	...	...	...	3	
Hindus	1	...	...	...	1	
Total ...	5	3	1	...	9	
Class A.						
Europeans and Eurasians	...	...	...	...	...	
Portuguese and Native Christians ...	1	...	...	...	1	
Mahomedans	1	1	1	...	3	
Parsis	2	...	...	...	2	
Hindus	2	2	1	...	5	
Total ...	6	3	2	...	11	
Grand Total ...	21	7	10	1	39	

N. B.—Four free studentships are vacant.

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

15th May 1899.

APPENDIX E.

Return showing Caste and number of Students from Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1898-1899.

Province, Presidency or State.	Number of			Remarks.
	Hindus.	Mahomedans.	Native Christians.	
Mysore State	1	...	...	
District Local Board, Shikárpur ...	...	1	...	
District Local Board, Thar and Párkar ...	...	1	...	
Sholápur Municipality	...	...	1	
Gwaliar State	1	...	...	
Gondal State	1	...	...	
Morvi State	...	1	...	
Total ...	3	3	1	

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

15th May 1899.

APPENDIX F.

Statement showing the number of operations in the Bái Sákarbái Dinshaw Petit Hospital for Animals during 1898.

Number.	Operations.	Horses.	Cattle.	Dogs.	Sheep and Goats.	Total.
1	Amputation, tail	2	6	1	...	9
2	„ penis	1	...	...	...	1
3	„ horn	...	11	...	1	12
4	„ leg	...	3	3	1	7
5	Castration	2	3	...	...	5
6	Dental	1	...	...	...	1
7	Firing tendons	8	...	...	...	8
8	„ exostoses	29	3	...	...	32
9	Herniotomy	3	...	1	...	4
10	Neurotomy	3	...	...	...	3
11	Opening abscesses	4	70	12	...	86
12	„ sinuses	10	16	12	...	38
13	Paracenthesis Abdominis ...	...	1	2	...	3
14	Puncturing rumen	...	6	...	1	7
15	Removal scirrous cord ...	1	...	...	...	1
16	„ Bursati tumour ...	22	...	...	...	22
17	„ tumours	6	139	26	...	171
18	„ dead fœtus	...	7	1	3	11
19	Sandcrack operation	3	...	...	...	3
20	Suturing wounds	6	11	...	...	17
21	Setoning	3	8	...	...	11
22	Stripping sole for canker ...	1	...	...	...	1
23	Tracheotomy	1	...	...	...	1
	Total ...	106	284	58	6	454

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

Bombay Veterinary College,
Parel, 15th May 1899.

APPENDIX G.

Financial Statement of the Bombay Veterinary College for 1898-99.

Budget Sanction.						Actual Expenditure.					
Heads.	1897-98.			1898-99.		Heads.	1897-98.			1898-99.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government salaries—											
Teaching staff	29,620	0	0	27,925	0 0	Teaching staff	28,103	3	11	28,961	3 9
Establishment	2,400	0	0	2,400	0 0	Establishment	2,576	0	0	2,400	0 0
Contingent expenditure	1,228	0	0	1,228	0 0	Contingent expenditure	1,227	3	2	1,269	5 6
Scholarships	900	0	0	900	0 0	Scholarships	900	0	0	900	0 0
Chemicals	200	0	0	200	0 0	Chemicals, &c.	271	9	7	192	2 0
Examiners' fees	300	0	0	300	0 0	Examiners' fees	345	4	0	150	0 0
Riding fees	300	0	0	300	0 0	Riding fees	160	0	0	256	0 0
House-rent allowance	1,440	0	0	1,440	0 0	House-rent allowance	1,080	0	0	1,117	7 3
Books, periodicals, &c.	438	0	0	438	0 0	Travelling allowance to officers	594	1	0	165	4 0
Travelling allowance to officers	200	0	0	200	0 0	Furniture and apparatus	392	5	0	388	13 0
Furniture and apparatus	394	0	0	394	0 0	Building and repairs	502	5	11	472	9 7
Buildings and repairs	502	0	0	477	0 0	Books and periodicals	437	6	11	437	1 1
Excursion charges	500	0	0	500	0 0	Excursion charges	.....			68	6 6
Honorarium to 3 Assistant Veterinary Officers ...	900	0	0	900	0 0	Honorarium to 3 Assistant Veterinary Officers ...	900	0	0	900	0 0
Charges for instruction in dairy work, cattle, &c....	500	0	0	500	0 0	Charges for instruction in dairy work, cattle, &c. ...	.....			500	0 0
Rates and taxes	94	0	0	82	0 0	Rates and taxes	63	0	0	76	3 8
Conveyance allowance to Assistant Professor of Anatomy...	180	0	0	180	0 0	Conveyance allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
	40,096	0	0	38,364	0 0		37,732	7	6	38,434	8 4

Statement of Receipts on account of the College credited to Government.

Heads.	1897-98.	1898-99.
	Rs.	Rs.
Municipal contributions	2,500	2,500
Fees from students	1,680	2,450
Rent of students' quarters	106	96

15th May 1899.

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

Administration Reports.—
Bombay Veterinary College.
Annual Report of the Principal of the — for the year 1898-99.

Educational Department.
No. 885

Bombay Castle,
10th July 1899.

Letter from the Director of Public Instruction, No. 1609, dated the 13th June 1899 :—

"I have the honour to submit a copy of the report of the Bombay Veterinary College for the year 1898-99.

"2. The attendance in the College has again decreased considerably and the year closed with only 39 students against 53 on 1st April 1898. The Principal states in paragraph 3 that he received 200 applications for admission, but only 8 fresh students joined, and it is probable that the recrudescence of plague in Bombay kept away many who would otherwise have joined.

"3. The examination results are superior to those for 1897. In that year no student got a 1st class and 28 passed out of 56 examined, 21 being in the 2nd class. This year 30 passed out of 47 examined and of these 3 were in the 1st class and 24 in the 2nd. The efficiency of the students in certain respects was, however, questioned by the Board of Examiners and forms the subject of another correspondence.

"4. It is noticeable that of the 8 students who passed their final examination 3 remain unemployed, and 2 have found employment in the College itself. The Principal points out that the demand for graduates in the Presidency has not been good and that Local Boards have made no fresh appointments. He also questions the contention that the College does not supply the demands made on it, and asserts that graduates from the College have refused employment only when the offers made to them were inadequate as regards emoluments. It is difficult to form a decided opinion on this matter, but it is obviously undesirable that passed men of the College should fail to obtain employment, which should be the more readily secured to them by the fact that the scope of the Bombay College is higher than that of any other similar Institution in India. It might be advantageous to notify to other Governments that 3 graduates of the College are at present unemployed.

"5. There were many changes in the staff during the year and the date of the examination was also changed and is now fixed for December of each year. Altogether the year has been an unsettled one, and it is to be hoped that the report of another year will show a fuller attendance roll, and more ready employment for those who have successfully passed through a long and expensive course of training."

RESOLUTION.—Government have nothing to add to the remarks made by the Director of Public Instruction except that they cordially concur in the hope expressed by him in the last sentence of his letter.

2. Copies of the report should be distributed as usual.

R. B. STEWART,
Acting Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
} With copies of the Report.

[P. T. O.

The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Pálanpur,
The Political Superintendent, Sávantvádi,
The Political Resident, Aden,
The Superindendent, Civil Veterinary Department,
The Survey Commissioner and Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum,
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press (with a request that the copies of the Report required by this Department may be sent as soon as possible),

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Secretary of State for India,
The Officer in charge, Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1899-1900.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1900.

[Indian Price—5 Annas.]
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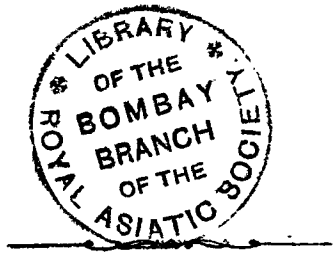
BOMBAY BRANCH
OF THE
Royal Asiatic Society.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1899-1900.



Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1900.

No. 556 OF 1900.

Bombay Veterinary College,
Parel, 16th April 1900.

From

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D., J.P.,
Fellow and Examiner, Bombay University,
Principal, Bombay Veterinary College;

To

E. GILES, ESQ., M.A.,
Director of Public Instruction,
Poona.

SIR,

I have the honour to submit the fourteenth Annual Report of the Bombay Veterinary College, dealing with its administration during the official year 1899-1900. A brief outline of the duties performed, in connection with the Bai Sakarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1899, is embodied in the report.

Professional Examinations.

2. The Professional Examinations commenced on the 10th December and lasted up to the 19th.

The following gentlemen formed the Board of Examiners :—

President.

Veterinary-Major J. W. A. Morgan, Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Veterinary-Major W. R. Hagger, Assistant to the Inspector-General, Civil Veterinary Department.

Veterinary-Captain E. Taylor, Army Veterinary Department.

The results of the examinations were declared on the 19th December—*vide* Appendix A. The prizes were awarded on the results of the examinations—*vide* Appendix B.

Appendix A shows that 18 candidates passed from the three classes out of 39 that presented themselves, or a percentage of 46·15, as against 63·82 and 50·00 in 1898 and 1897, respectively.

The Board of Examiners recommended that the written examinations in "Handling of Animals" and "Shoeing" should be discontinued, as they remarked that these subjects were so essentially practical that a far better conclusion could be arrived at by a purely *vivâ voce* examination. This change was sanctioned by Government in their Resolution, Educational Department, No. 259, dated 16th February 1900.

Information relative to students.

3. On the 1st of April 1899 there were 39 students on the College rolls. There were 18 fresh entries during the year as against 8 and 7 in 1898-99 and 1897-98, respectively. Seventeen students joined Class A and one was admitted under concession in Class B. Twenty-four students left the College, out of which from Class C, 9 graduated, 6 were plucked and discontinued to attend but likely to return and reappear for the examination in December next, and 1 left to enter upon another career in life. From Class B 1 died, 1 left on account of illness, and 1 was removed from the rolls on account of continued

non-attendance. From Class A, 1 was removed from the rolls, in accordance with Rule 14*a*, Section "C" of the College Rules and Regulations, having been plucked three times in this class, and 4 left as they found the work unsuited to them. The number of students on the College rolls, at the end of the year under report, was 33—*vide* Appendix "C."

An employé of the Uganda Railway attended for three months as a casual student.

As in the previous year, the date of the commencement of the collegiate year was freely circulated by means of advertisements in the various newspapers, both English and vernacular, of the Presidency, and by notices in the several Indian Provincial and Colonial Government Gazettes.

A large number of inquiries were made regarding the College by students, and 18 joined, showing an increase of 10 over the last year.

Out of the 18 students, 5 belong to the Bombay Presidency proper, 3 came from Káthiáwár, 4 from Kolhápur, 3 from Travancore, 2 from Madras and 1 from Ceylon.

Appendix "D" shows the different nationalities of the students on the College rolls at the end of the year.

In the new admissions there were 2 Europeans or Eurasians, 2 Native Christians, 1 Mahomedan, 1 Pársi and 12 Hindus.

Appendix "E" shows the number of students supported by Native States, Local Boards, Municipalities, &c. The number of students attending under this head was 7 as against 7 and 8 in 1898-99 and 1897-98, respectively. Of these 7 students, 3 are Hindus, 2 Mahomedans and 2 Native Christians. Owing to the continuance of plague and to the fact that small-pox also broke out, the attendance of the students has been in many instances somewhat erratic, but, taken on the whole, it was better than last year. The existence, however, of these two maladies has no doubt interfered considerably with the studies of the students. A death from small-pox in the hospital compound having been reported to me by the Hospital authorities, I at once had the whole College staff and students vaccinated as a safeguard.

Employment of Graduates.

4. Of the 9 students that graduated this year, 1 has gone into private practice, 1 has been appointed as Veterinary Inspector under Act XIII of 1899 (Glanders and Farcy), 2 as Assistant Veterinary Officers at the College, 1 is studying medicine at the Grant Medical College, and the remainder are unemployed.

From the Graduates of past years, 1 has been appointed Lecturer at the Bengal Veterinary College on a salary of Rs. 150 per mensem rising to Rs. 200, one as Lecturer to the Salutri Class at the College on a salary of Rs. 100 to Rs. 150, and 1 as Itinerating Veterinary Graduate, Karáchi District, on a salary of Rs. 55 per mensem.

The Commanding Officer of the 2nd Bombay Lancers offered the appointment of Farrier Major of the regiment to the Graduates of the College, but, I regret to say, it was refused. Negotiations in regard to two appointments as managers of Government Farms in North Behar on salaries of Rs. 200 rising to Rs. 400 for Graduates possessing agricultural experience were carried on, but no final settlement has taken place.

I have again to record that the call for the services of Graduates by Native States, Municipalities and others is on the decline, due no doubt to the same cause as last year, *viz.*, plague, to which we must now add famine—causes that divert money into other channels than in paying for the treatment of animal diseases.

Mr. C. Buckel, a very promising Graduate, employed by the British Protectorate at Uganda, died from abscess on the liver while returning to India.

Salutri Class.

5. As the outcome of the Committee ordered by Government in their Resolution in the Revenue Department, No. 4157, dated 23rd June 1898, orders were passed in Government Resolution, Revenue Department, No. 4231, dated 19th June 1899, for the inauguration of the Salutri Class at the College and also for the drawing up of a scheme, or Syllabus, for the course. In accordance with which the

Principal was requested to consult the following officers in reference thereto :—The Superintendent, Civil Veterinary Department, an officer of the Army Veterinary Department, and the Deputy Director of Agriculture. I accordingly met the above-mentioned gentlemen at Poona on the 19th August 1899, when rules and a Syllabus for the Salutri Class were drawn up and submitted to Government for sanction, which was accorded in their Resolution, Educational Department, No. 1655, dated 24th November 1899.

The entertainment of an Instructor for this class was also sanctioned, and the services of Mr. A. I. Shaikh, an Inspector under Act XIII of 1899 (Glanders and Farcy), were transferred to take up this appointment.

The class opened on the 4th January, and at present there are 39 students on the roll. Eight students left as they were found unsuited for hard practical work. Of the 39 students remaining, 1 is a Native Christian, 8 are Mahomedans and 30 are Hindus.

Physically these men are distinctly in advance of those who come up for the three years, or Graduate, Course and, so far as I can judge, many of them will turn out most useful Salutris.

Although the widest publicity was given both by Government and the College to the Military, Political and District Civil Authorities, only 4 students have been sent here by them—2 from the Remount Depôt at Ahmednagar, 1 from Rájkot State and 1 from Akalkot State.

None of the Military students mentioned in the preamble of Government Resolution, Revenue Department, No. 4231, dated 19th June 1899, have joined, nor any of those proposed to be sent by Local Boards and Municipalities—*vide* paragraph 1 of Government Resolution, Educational Department, No. 1655, dated 24th November 1899. Efforts might be made to induce these bodies to send men next year.

The number of men now under tuition and the nature of the curriculum will necessitate the appointment of a second instructor when the senior class is formed in January next.

Veterinary Educational Conference.

6. A Conference, of which I was a member, of Principals of the various Veterinary Colleges and Schools, was held at Umballa on the 29th January last to consider the most suitable curriculum which would tend to uniformity of teaching at the various Veterinary Educational Establishments in India. This was the main object aimed at during the deliberations of the Conference and, as far as local circumstances would permit it, this has been done.

Deputations for Cattle Disease repression.

7. Mr. Y. B. Bhagwat, G.B.V.C., was deputed to do duty at the Ahmedabad Famine Cattle Camps.

Extra duties.

8. (*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Inspected horses in Bombay and Bándra Stables, at the Harbour and the Sewri Lazaretto.

(*c*) Treated sick animals of the Commissariat Department.

(*d*) Performed the duties of receiving and despatching stallions imported for the Civil Veterinary Department. Eight horses and 79 donkeys were landed and despatched. Besides this 27 horses purchased in Bombay were received and despatched.

(*e*) Advised the Commissioner of Police regarding the purchase and casting of horses.

(*f*) Acted as a member of the Veterinary Educational Conference.

(*g*) Acted as a member of the Committee appointed to draw up a Syllabus and scheme for the Salutri Class.

(*h*) Deputed by Government to visit the Cattle Famine Camps at Ahmedabad.

(*i*) Inspected horses proceeding on service to South Africa.

(*j*) Veterinary-Lieutenant F. S. H. Baldrey, Assistant Principal, was deputed to inspect horses proceeding on service to South Africa at Deoláli and Ahmedabad.

Teaching Staff.

9. Veterinary-Lieutenant J. Farmer having been transferred on the 1st July 1899 to Ajmere, Mr. N. D. Dhakmarvala acted as Assistant Principal until the return of Veterinary-Lieutenant F. S. H. Baldrey on the 8th November 1899. Mr. J. F. Valladares, G.B.V.C., *sub. pro-tem* Instructor in Shoeing, acted as Lecturer on Anatomy, vice Mr. Dhakmarvala, promoted. Mr. M. C. Joshi, G.B.V.C., acted as Instructor in Shoeing. Pensioned Staff Sergeant Farrier R. Town, late Royal Horse Artillery, has been appointed Instructor in Shoeing.

The College staff performed their duties satisfactorily.

Branches of Study.

10. *Anatomy.*—Twenty-eight subjects were obtained for dissection this year as against 21 and 17 in 1898-99 and 1897-98, respectively. This afforded a valuable means for the senior students to learn Operative Surgery.

The Management of Dairy, Work Cattle, &c.—Mr. J. Mollison, Deputy Director of Agriculture, delivered a course of 25 lectures on these subjects at the Government Farm, Kirkee, to the senior students of the College.

Sir Dinshaw Petit Patho-Bacteriological Laboratory.—This laboratory is of great value to the College.

Excursions.

11. No excursions were made during the year owing to the prevalence of plague.

Physical Training.

12. The Riding Class was held as usual at the Governor's Body Guard Menage. Thirty-one lessons were given. Several cricket matches were played by the students. They were practised in the use of boxing-gloves, dumb-bells, Indian clubs, &c.

Now that we have secured the services of a European Sergeant Farrier, it is my intention to have all the students regularly drilled.

Museum and Library.

13. Many additions to the museum and library continue to be made.

Donors of Prizes.

14. The following gentlemen should be thanked for their liberality in contributing to the Prize Fund :—

Sir Dinshaw Maneckji Petit, Baronet.
Sir George Cotton, Knight.
Veterinary Major J. W. A. Morgan, A.V.D.
Mr. N. D. Dhakmarvala.

Hospital.

15. The records of the hospital give the following information relative to patients, &c. :—

(*a*) *In-patients.*—1,085 were admitted in 1899 as against 1,510 and 1,321 in 1898 and 1897, respectively, showing a decrease of 425. The various classes of animals admitted were as follows: Horses 320, cattle 572, dogs 193. The daily average was 96, showing a decrease of 62 when compared with that of the last year.

(*b*) *Out-patients.*—838 were treated in 1899 as against 725 and 618 in 1898 and 1897, respectively, giving an increase of 113 over the previous year.

(*c*) *Mortality.*—The mortality in horses for 1899 was at the rate of 6·87 per cent., in cattle 7·34 and in dogs 41·45, as against 6·66 per cent., 7·03 and 45·01, respectively, in 1898.

(*d*) *Operations.*—Appendix " F " is a statement of the number of operations performed in the hospital. They numbered 368—on horses 108, on cattle 189, on dogs 60, on sheep and goats 13.

(*e*) *The supply of Medicines and Pharmacy Requisites.*—This scheme continues to work satisfactorily and at a very considerable saving to Government.

(*f*) *Buildings.*—A loose box has been fitted up for colic cases, but further than this none of the suggestions made by me last year have been carried out. One of my incinerators, although built by the Hospital authorities as far back as the year 1897, still remains incomplete, no door nor shutters for the air holes having been fitted thereto.

Office.

16. The clerical work in connection with the two-years' course has added considerably to the labours of the office establishment, and the vernacular portion has especially fallen heavily on Mr. V. B. Phatak, the Head Clerk.

Financial Statement.

17. Appendix "G" is the financial statement for the year under report.

I have the honour to be,

Sir,

Your most obedient Servant,

J. BRODIE-MILLS,

Vety.-Major, A.V.D.,

Principal, Bombay Veterinary College.

APPENDIX A.

Bombay Veterinary College.

Results of Professional Examinations, December 1899.

Examinations.	First Class.	Second Class.	Pass.	Total Candidates.		Percentage of Passes.
				Examined.	Passed.	
First Professional	2	3	1	13	6	46·15
Second Professional ...	1	2	...	7	3	42·85
Third Professional	...	9	...	19	9	47·36
Total ...	3	14	1	39	18	46·15

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

16th April 1900.

APPENDIX B.

Return of Prizes, &c., awarded to the Students of the Bombay Veterinary College for 1899.

No.	Subjects.	Nature.	Value.	Successful Candidate.	Donor's Name.
	Third Professional.		Rs.		
1	Best Student	Books and Instruments ...	40	T. E. Rodrigues	Sir D. M. Petit, Bart.
2	Soundness	Silver Medal	15	W. Pereyera	Government.
3	Breeding and Obstetrics	Books and Instruments ...	32	J. M. C. Rebello	Veterinary-Major J. W. A. Morgan.
	Second Professional.				
4	Best Student	Books and Instruments ...	30	J. K. Shroff	Sir George Cotton.
5	Anatomy and Physiology	Do. do. ...	20	J. K. Shroff	Sir D. M. Petit, Bart.
	First Professional.				
6	Best Student	Books and Instruments ...	20	H. S. Aiyenger	Sir George Cotton.
7	Handling of Animals	Silver Medal	15	H. S. Aiyenger	Steel Memorial Committee.
8	Anatomy and Physiology	Books and Instruments ...	10	H. S. Aiyenger	N. D. Dhákmárvála, Esq.

16th April 1900.

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX C.

BOMBAY VETERINARY COLLEGE.

Return showing Changes in the Number of Students in 1899-1900.

Class.	Number of Students on 1st April 1899.	Withdrawn.		Entries.		Number of Students on 31st March 1900.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Class C	19	16	...	...	3	6	
Do. B	9	3	3	1	6	10	
Do. A	11	5	6	17	...	17	
Total ...	39	24	9	18	9	33	

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

16th April 1900.

APPENDIX D.

BOMBAY VETERINARY COLLEGE.

Return showing the Number and Nationality of Students for the year 1899-1900.

Casts.	Paying.	Native States, Local Boards and Municipalities.	Government, free.	Municipal, free.	Total.	Remarks.
Class C.						
Portuguese and Native Christians	...	1	1	...	2	
Párs	2	...	...	...	2	
Hindus	...	...	2	...	2	
Total ...	2	1	3	...	6	
Class B.						
Portuguese and Native Christians	...	1	1	...	2	
Mahomedans	...	1	...	...	1	
Párs	3	...	...	...	3	
Hindus	...	1	3	...	4	
Total ...	3	3	4	...	10	
Class A.						
Europeans and Eurasians	2	...	...	...	2	
Portuguese and Native Christians	1	...	...	...	1	
Mahomedans	...	1	...	1	2	
Hindus	8	2	...	2	12	
Total ...	11	3	..	3	17	
Grand Total ...	16	7	7	3	33	

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

16th April 1900.

APPENDIX, E.

Return showing Caste and number of Students from Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1899-1900.

Province, Presidency or State.	Number of			Remarks.
	Hindus.	Mahomedans.	Native Christians.	
District Local Board, Thar and Párkar ...	...	1	...	
Sholápur Municipality	...	...	1	
Gwalior State	1	...	...	
Gondal State	1	...	...	
Morvi State	...	1	...	
Ceylon Government	...	...	1	
Idar State	1	...	...	
Total ...	3	2	2	

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

16th April 1900.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

APPENDIX F.

Statement showing the Number of Operations performed in the Bai Sakarbai Dinshaw Petit Hospital for Animals during 1899.

Number.	Operations.	Horses.	Cattle.	Dogs.	Sheep and Goats.	Total.
1	Amputation on tail	...	1	5	...	6
2	„ penis	...	...	...	...	...
3	„ horn	...	6	...	...	6
4	„ leg	...	3	2	...	5
5	Castration	7	2	...	...	9
6	Dental	18	...	...	...	18
7	Firing tendons	5	...	...	...	5
8	„ exostoses	13	...	...	...	13
9	Herniotomy	5	...	...	...	5
10	Neurotomy	6	...	...	...	6
11	Opening abscesses	5	43	16	8	72
12	„ sinuses	...	5	4	1	10
13	Paracenthesis Abdominis ..	...	1	1	...	2
14	Puncturing rumen	...	18	...	...	18
15	Removal scirrous cord ..	3	...	...	...	3
16	„ Bursati tumour ...	21	...	...	...	21
17	„ tumours	5	90	24	...	119
18	„ dead fœtus	...	9	4	2	15
19	Sandcrack operation ...	5	...	...	...	5
20	Suturing wounds	7	...	4	2	13
21	Setoning	...	10	...	...	10
22	Stripping sole for canker ...	3	..	...	...	3
23	Tracheotomy	1	1	...	...	2
24	Worm in the eye	2	...	...	...	2
	Total ...	106	189	60	13	368

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

16th April 1900.

APPENDIX G.

Financial Statement of the Bombay Veterinary College for 1899-1900.

Budget Sanction.						Actual Expenditure.					
Heads.	1898-99.			1899-1900.		Heads.	1898-99.			1899-1900.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries :—											
Teaching staff	27,925	0	0	27,425	0 0	Teaching staff	28,961	3	9	26,940	4 0
Establishment	2,400	0	0	2,400	0 0	Establishment	2,400	0	0	2,400	0 0
Contingent expenditure...	1,228	0	0	1,228	0 0	Contingent expenditure	1,269	5	6	1,197	12 6
Scholarships	900	0	0	900	0 0	Scholarships	900	0	0	750	0 0
Chemicals	200	0	0	200	0 0	Chemicals, &c.	192	2	0	218	7 2
Examiners' fees	300	0	0	300	0 0	Examiners' fees	150	0	0	.....	
Riding fees...	300	0	0	300	0 0	Riding fees	256	0	0	288	0 0
House-rent allowance	1,440	0	0	1,440	0 0	House-rent allowance	1,117	7	3	268	9 10
Books, periodicals, &c.	438	0	0	438	0 0	Travelling allowance to officers	165	4	0	1,054	3 0
Travelling allowance to officers	200	0	0	200	0 0	Furniture and apparatus	388	13	0	213	2 6
Furniture and apparatus	394	0	0	394	0 0	Buildings and repairs	472	9	7	881	4 10
Buildings and repairs	477	0	0	848	0 0	Books and periodicals	437	1	1	381	0 0
Excursion charges	500	0	0	500	0 0	Excursion charges	68	6	6	75	0 0
Honorarium to 3 Assistant Veterinary Officers ...	900	0	0	900	0 0	Honorarium to 3 Assistant Veterinary Officers ...	900	0	0	900	0 0
Charges for instruction in dairy work, cattle, &c..	500	0	0	500	0 0	Charges for instruction in dairy work, cattle, &c....	500	0	0	500	0 0
Rates and taxes	82	0	0	82	0 0	Rates and taxes	76	3	8	89	11 10
Conveyance allowance to Assistant Professor of Anatomy	180	0	0	180	0 0	Conveyance allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
						Travelling allowance to establishment ...	.....			186	12 0
						Grain compensation allowance	.....			99	0 0
Total ...	38,364	0	0	38,235	0 0	Total ...	38,434	8	4	36,023	3 8

Statement of Receipts on account of the College credited to Government.

Heads.	1898-99.	1899-1900.
	Rs.	Rs.
Municipal contribution	2,500	2,500
Fees from students	2,450	1,845
Rent of students' quarters	96	86

Bombay, 25th May 1900.

J. BRODIE-MILLS, Vety.-Major, A. V. D.,
Principal, Bombay Veterinary College.

Administration Reports.—
Bombay Veterinary College.
Annual Report of the Principal of the—
for the year 1899-1900.

Educational Department.
No. 948

Bombay Castle,
29th June 1900.

Letter from the Director of Public Instruction, No. 1471, dated the 5th June 1900.

"I have the honour to forward herewith the report of the Principal, Bombay Veterinary College, for the year 1899-1900.

"2. The attendance has again decreased, but the Principal points out that this is due to the large number who left the College during the year. The fresh admissions were 18 against 7 and 8 in the two previous years. Plague and small-pox both affected the attendance of the students. The Principal complains that Local and Municipal Boards send up few students, but recognises that this is almost inevitable under the present condition of the Presidency.

"3. As I pointed out last year, all the graduates who pass the examination do not readily obtain employment. On this occasion 9 passed, but 4 of these are unemployed. It appears, however, that the post of Farrier-Major, 2nd Bombay Lancers, was offered to the College and refused by the graduates. Such a refusal shows that the men turned out were not entirely of the proper stuff for veterinary work, and it may be necessary, if such cases recur, to bind students of the College by an agreement to take Government service if offered to them.

"4. The opening of the new Salutri Class has been attended with success. The class opened in January, and has 39 students on the roll. The weakly men have been weeded out, and the Principal speaks highly of the physique of those who remain. The Principal notices that very few Military students have joined the class, and this fact might be brought to the notice of the Military authorities.

"5. The annual examination was held in December 1899, was conducted without any friction, and a joint report was submitted by the Examining Board. The Umballa Conference held in January has submitted proposals which, if accepted, will provide for the regulation of the curriculum and the annual examination in a satisfactory manner.

"6. Finally, I am of opinion that the work of the College continues to be satisfactorily carried out under Veterinary-Major Mills, who had many extra duties to perform. Lieutenant Baldrey, the Assistant Principal, has given much attention to the Salutri Class."

RESOLUTION.—Government concur in the remarks made by the Director of Public Instruction. They observe that the percentage of passes at the last examination was lower than that in any of the last* five years.

*1894-95	...	...	...	57·67
1895-96	...	...	...	72·54
1896-97	...	...	...	59·25
1897-98	...	...	...	50·00
1898-99	...	...	...	63·82

2. The attention of the Deputy Adjutant General, Bombay Command, should be invited to the remarks regarding the absence of Military students from the Salutri Class made in paragraph 5 of the Principal's report.

J. DEC. ATKINS,
Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College.
} With copies of the Report.

[*P. T. O.*

All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Pálanpur,
The Political Superintendent, Sávantvádi,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Survey Commissioner and Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Deputy Adjutant General, Bombay Command, Poona,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum,
The Municipal Commissioner for the City of Bombay,

} With copies of the Report.

The Superintendent, Government Central Press,
(With a request that the copies of the Report required by this Department may be sent as soon as possible.)
The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Secretary of State for India,
The Government of India,
The Officer in charge Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1900-1901.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1901.

[Indian Price—5 Annas.]
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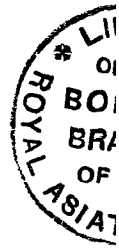
BOMBAY BRANCH
OF THE
Royal Asiatic Society.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1900-1901.



Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1901.

No. 457 OF 1901.

Bombay Veterinary College,
13th May 1901.

From

JAMES BRODIE-MILLS,
Veterinary Major, A. V. D., J.P.,
Fellow and Examiner, Bombay University,
Principal, Bombay Veterinary College;

To

The Honourable Mr. E. GILES, M.A.,
Director of Public Instruction,
Poona.

SIR,

I have the honour to submit the fifteenth Annual Report of the Bombay Veterinary College, dealing with its administration during the official year 1900-1901. A brief outline of the duties performed in connection with the Bai Sakarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1900 is embodied in the report.

2. The Professional Examinations for the Diploma Course commenced on the 10th December and terminated on the 20th idem.

The following gentlemen formed the Board of Examiners:—

President.

Veterinary Major J. W. A. Morgan, Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Veterinary Major W. R. Hagger, Assistant to the Inspector General, Civil Veterinary Department.

Veterinary Major W. D. Gunn, Superintendent, Government Cattle Farm, Hissar.

The results of the examinations were declared on the 20th December—*vide* Appendix A. The prizes were awarded on the results of the examinations—*vide* Appendix B.

From Appendix A it will be seen that from the three classes out of 31 candidates that presented themselves, 19 passed—a percentage of 61·29 as against 46·15 and 63·82 in 1899 and 1898 respectively.

In accordance with the recommendations of the Veterinary Educational Conference, alterations were introduced in the mode of examining the students and in the number of marks required for a pass, *i.e.*, the examinations were entirely oral and practical, and the percentage of marks, which had to be obtained by the students in the first and second Professional Examinations, was raised from 45 to 50.

While the students of the Diploma Course were being examined, a Board, consisting of the Principal and Assistant Principal, conducted the first examination for the Salutri Certificate Course. Out of 28 students that presented themselves at the examination, 23 passed, or 82·14 per cent., and were, in consequence, promoted to the Senior Class. The results of the examination will be found in Appendix A. A prize was awarded to the best man in the class—*vide* Appendix B.

Particulars relating to Students.

3. On the 1st April 1900 there were 33 students on the rolls of the Diploma Course. There were 15 fresh entries during the year as against 18 and 8 in 1899-1900 and 1898-99 respectively.

Fifteen students left the College. Out of these, 5 were from Class C, 4 of whom graduated. From Class B 4 students left —2 owing to constant failures at the examinations, and 1 was removed from the rolls for continued non-attendance and 1 for misconduct. From Class A 6 students left—2, because their State withdrew their support, and 4, because they were unsuited to the work of the College. The number of students on the rolls at the close of the official year stood at 33, the same number as at the commencement.

Four plucked students, who rejoined Class C during the year and re-appeared at the examination held in December—2 of whom obtained the diploma and 2 failed—have not been shown in the appendix.

In their Resolution in the Educational Department, No. 1851, dated 6th December 1900, Government sanctioned the abolition of fifteen scholarships of Rs. 5 each tenable for one year and fifteen free studentships, except in the case of those who actually hold the latter at present, and instituted 15 scholarships of Rs. 10 each tenable for 3 years with free education, with the view to induce men connected with agriculture to join the College. Many applications were received, but only 15 were placed before the Committee specially appointed for the selection of these scholars. Out of this number only 7 were selected, as the others did not fulfil the necessary conditions. As soon as the sanction of Government was received relative to this new scheme, the widest publicity was given to it by forwarding printed circulars containing the fullest information to 15 collectorates and to the head masters of the high schools situated therein. Although this was done, it is evident that it was too short a notice to enable us to procure the class of men we desired in sufficient numbers. It is hoped, however, that in the coming year the requisite class of men will be forthcoming.

Of the 15 students that joined Class A, 9 belonged to the Bombay Presidency, 4 came from Káthiáwár, 1 from Southern Mahrátta States, and 1 from Madras.

Appendix D shows the different nationalities of students on the Diploma Course rolls at the end of the year.

In the new admissions there were 11 Hindus, 2 Parsis and 2 Native Christians.

Appendix E shows the number of students supported by Native States, Local Boards, Municipalities, &c. The number of students attending under this head was 6 as against 7 and 7 in 1899-1900 and 1898-99 respectively.

On the 1st April 1900 there were 39 students on the rolls of the Salutri Certificate Course. Out of this number 23 passed the First Examination in December and became students of Class B. Fifteen left the College—4, because they were plucked, and 11, either for want of means to continue their studies or being unfit for veterinary work. One plucked student continued his studies in Class A. Thirty-seven fresh men entered Class A. At the end of the year there were 23 students in Class B and 38 in Class A, making a total of 61—*vide* Appendix C. Out of the 37 new students 23 belong to the Bombay Presidency, 3 to the Southern Mahrátta States, 5 to Káthiáwár, 5 to the Berars, and 1 to Gwalior State.

Appendix D shows the different nationalities of students attending this Course.

In the new admissions there were 2 Mahomedans and 35 Hindus.

Appendix E shows the number of students supported by Native States, &c.

Although in Government Resolution, Educational Department, No. 948, dated 29th June 1900, the attention of the Deputy Adjutant General, Bombay Command, was drawn to the fact that no military students had been sent to study as salutries, none came up at the opening of the Course in January last.

On the formation of the Senior Class, *i.e.*, Class B in January last, Government sanctioned the entertainment of a Second Instructor for the course.

The recrudescence of plague in Bombay in rather a severe type, which more especially affected the vicinity of the College, and the fact that one of the clerks died from the disease, was the cause of what might well be termed a panic amongst the students, and no persuasion would prevent them from leaving *en masse* for their homes.

Employment of Graduates.

4. Of the six students who graduated this year, one obtained employment in the Janjira State, and one, as an Assistant Veterinary Officer, at the College.

Three graduates from previous batches obtained employment—one as Second Instructor to the Salutri Course at the College; one as a Veterinary Inspector under the Glanders and Farcy Department, Bombay; and one as Itinerating Veterinary Graduate, Khándesh District. At present there are eight graduates out of employment.

The Assistant Collector of Salt Revenue, Northern Frontier, made enquiries as to the terms on which the services of a graduate could be obtained for duty with the mounted establishment of the Northern Preventive Line. The pay offered was, however, quite inadequate for a graduate.

Extra duties.

5. (*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Inspected horses in Bombay and Bándra stables, at the Harbour and Sewree Lazaretto.

(*c*) Treated sick animals of the Commissariat Department.

(*d*) Performed the duties of receiving and despatching stallions imported for the Civil Veterinary Department. Eight horses and 27 donkeys were landed and despatched. Besides this, 35 horses purchased in Bombay were received and despatched.

(*e*) Advised the Commissioner of Police regarding the purchase and casting of horses.

(*f*) Acted as an Examiner in Veterinary Science at the Examinations in Agriculture of the Bombay University.

Teaching staff.

6. Veterinary Lieutenant F. S. H. Baldrey went on three months' privilege leave from the 8th July 1900. Assistant Professor N. D. Dhakmarwala acted for him. Veterinary Inspector J. F. Valladares acted as Lecturer on Anatomy, *vice* Mr. Dhakmarwala. Assistant Professor V. E. Vakharia went on two and a half months' privilege leave from 2nd September. Mr. M. C. Joshi, G.B.V.C., acted for him. Veterinary Lieutenant F. S. H. Baldrey was deputed for three months from 13th January to attend the Horse Shows and Fairs in the Punjáb. During his absence Assistant Professor N. D. Dhakmarwala was appointed to act for him. Veterinary Inspector T. E. Rodrigues acted for Mr. Dhakmarwala.

An addition was made to the teaching staff by the appointment of a Second Instructor for the Vernacular Course.

The College staff in general performed their duties satisfactorily.

Branches of study.

7. *Anatomy*—Twenty-two subjects were obtained for dissection this year as against 28 and 21 in 1899-1900 and 1898-99, respectively.

The lectures heretofore delivered to the students of Class C by Mr. J. Mollison, Deputy Director of Agriculture, on the management of *Dairy, Work Cattle, &c.*, have been done away with by Government in accordance with the recommendations of the Umballa Conference. In lieu of these lectures a Post Graduate Course in the same subjects has been instituted under the same lecturer, the attendance at which has been made compulsory for such graduates as seek employment under Local Boards, Municipalities, &c.

Excursions have been abolished as it was found that they did not afford instruction commensurate with the time they took up and the monetary outlay involved.

The alterations in the curriculum as recommended by the Umballa Conference, and approved of by Government, were brought into force in full from the commencement of the Collegiate year.

Physical Training.

8. The Riding Class was held as usual at His Excellency the Governor's Body Guard Menage. Many of the students did not take very kindly to it.

Museum and Library.

9. Many additions to the Museum and Library continue to be made. The Journal of Pathology and Bacteriology has been added to the list of periodicals supplied to the College and the American Agriculturist has been removed.

Donors of Prizes.

10. The following Gentlemen should be thanked for their liberality in contributing to the Prize Fund:—

Sir Dinshaw Manackji Petit, Bart.
Veterinary-Major J. W. A. Morgan, C. V. D.
Bayley Memorial Committee.

Visitors.

11. The following Gentlemen visited the College and Hospital during the year:—

His Excellency Lord Northcote.
Earl Jersey.
Lord Arthur Cecil.
The Honourable Mr. Justice Parsons.
The Honourable Mr. Justice Crowe.
The Honourable Mr. Justice Fulton.
Major-General T. B. Tyler, R. A.
Major-General E. L. Elliot, C. B., D. S. O.
Dr. J. Pollen, I. C. S.
Sir Jamsetji Jijibhoy, Bart.
The Honourable Mr. Bamonji Dinshaw Petit.
Veterinary-Colonel A. E. Queripel.

Hospital.

12. The records of the hospital give the following information relative to patients, &c.:—

(*a*) *In-patients.*—1,540 were admitted in 1900 as against 1,085 and 1,510 in 1899 and 1898, respectively, showing an increase of 455. The various classes of animals admitted were as follows:—Horses 388, cattle 866 and dogs 286. The daily average was 129, showing an increase of 33 when compared with that of the last year.

(*b*) *Out-patients.*—592 were treated in 1900 as against 838 and 725 in 1899 and 1898, respectively, giving a decrease of 246 when compared with the previous year.

(*c*) *Mortality.*—The mortality in horses for 1900 was at the rate of 4·89 per cent.; in cattle 4·15 per cent. and in dogs 37·06 per cent. as against 6·87 per cent., 7·34 and 41·45 per cent., respectively, in 1899.

(*d*) Appendix F is a statement of the number of *operations* performed in the hospital. They numbered 492—on horses, 152; on cattle, 306; on dogs, 28; on sheep and goats, 6.

(*e*) *The supply of medicines and pharmacy requisites.*—The present mode of obtaining these supplies works fairly well.

Buildings.

13. An expenditure of Rs. 5,239 was incurred on account of laying down a system of drainage in the compound, laying on gas and water to the laboratories, and repairs to buildings.

With the sanction of Government the Chemical Laboratory was removed to the Farrier's Quarters, the College Quarters were handed over to the Farrier as a residence, and the Chemical Laboratory was converted into a lecture room for the vernacular class.

Office.

14. Mr. S. M. Vaidya, second clerk, was transferred to an appointment in the new printing press established at Yerauda Central Prison, and Mr. S. G. Ranade, clerk in the Glanders and Farcy Department, was promoted in his place. A recommendation was made with the view of increasing the emoluments of the Head Clerk, so as to make them commensurate with the work he is performing; but it was not sanctioned on account of the present financial conditions.

Financial Statement.

15. Appendix "G" is the financial statement for the year under report.

I have the honour to be,
Sir,
Your most obedient servant,
JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX A.

Bombay Veterinary College.

Results of Professional Examinations, December 1900.

Examinations.	First Class.	Pass.	Total Candidates		Percentage of Passes.
			Examined.	Passed.	
Diploma Course.					
First Professional	...	8	12	8	66·66
Second Professional	3	2	9	5	55·55
Third Professional	3	3	10	6	60·00
Total ...	6	13	31	19	61·29
Vernacular "Salutri" Certificate Course.					
First Professional	14	9	28	23	82·14

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

APPENDIX B.

Bombay Veterinary College.

Return of Prizes, &c., awarded to Students for 1900.

No.	Subject.	Nature.	Value.	Successful Candidate.	Donor's Name.
Diploma Course.					
	Third Professional.		Rs.		
1	Best Student	Books and Instruments.	70	J. K. Shroff	Bayley Memorial.
2	Operative Surgery	Do. do. ...	30	R. M. Moodliar ...	Do.
3	Soundness	Silver Medal	15	R. M. Moodliar ...	Government.
4	Breeding and Obstetrics ...	Books and Instrumemts.	32	J. K. Shroff	Veterinary-Major J. W. A Morgan.
	Second Professional.				
5	Best Student	Do. do. ...	40	J. E. Fernando ...	Sir D. M. Petit, Bart.
6	Medicine and Surgery ...	Do. do. ...	30	H. S. Aiyengar ...	Bayley Memorial.
7	Materia Medica and Pharmacy	Do. do. ...	20	H. S. Aiyengar ...	Do.
	First Professional.				
8	Best Student	Do. do. ...	25	Yakub Shah... ...	Do.
9	Handling of Animals ...	Silver Medal	15	J. E. Fernando ...	Steel Memorial.
10	Chemistry and Botany ...	Books and Instruments.	20	Jaya Sing Raj ...	Sir D. M. Petit, Bart.
Vernacular "Salutri" Certificate Course.					
11	Best Student at the First Professional.	Books and Instruments.	25	Babu Hulas	Bayley Memorial.

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

13th May 1901.

APPENDIX C.

Bombay Veterinary College.

Return showing Changes in the Number of Students in 1900-1901.

Class.	Number of Students on 1st April 1900.	Withdrawn.		Entries.		Number of Students on 31st March 1901.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Diploma Course.							
Class C	6	5	...	...	5	6	
Do. B	10	4	5	...	8	9	
Do. A	17	6	8	15	...	18	
Diploma Course, Total .	33	15	13	15	13	33	
Vernacular "Salutri" Certificate Course.							
Class B	...	...	...	...	23	23	
Do. A	39	15	23	37	...	38	
Salutri Course, Total ...	39	15	23	37	23	61	
Diploma and Salutri Courses, Grand Total.	72	30	36	52	36	94	

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

13th May 1901.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

APPENDIX D.

Bombay Veterinary College.

Return showing the Number and Nationality of Students for the year 1900-1901.

Castes.	Paying.	Native States, Local Boards and Municipalities.	Government Scholars.	Government free.	Total.	Remarks.
DIPLOMA COURSE.						
Class C.						
Portuguese and Native Christians	1	1	...	1	3	
Pársis	1	...	...	...	1	
Hindus	...	...	...	2	2	
Total ...	2	1	...	3	6	
Class B.						
Europeans and Eurasians	1	...	...	...	1	
Portuguese and Native Christians	1	...	...	...	1	
Mahomedans	...	1	...	1	2	
Hindus	2	2	...	1	5	
Total ...	4	3	...	2	9	
Class A.						
Portuguese and Native Christians	2	...	...	...	2	
Pársis	2	...	...	...	2	
Hindus	4	2	7	1	14	
Total ...	8	2	7	1	18	
Diploma Course, Total ...	14	6	7	6	33	
VERNACULAR "SALUTRI" CERTIFICATE COURSE.						
Class B.						
Portuguese and Native Christians	...	...	...	1	1	
Mahomedans	...	3	...	...	3	
Hindus	...	3	...	16	19	
Total ...	...	6	...	17	23	
Class A.						
Mahomedans	...	...	...	2	2	
Hindus	...	1	...	35	36	
Total ...	...	1	...	37	38	
Salutri Course, Total ...	...	7	...	54	61	
Diploma and Salutri Courses, Grand Total ...	14	13	7	60	94	

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

13th May 1901.

APPENDIX E.

Return showing Castes and Number of Students supported by Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1900-1901.

Province, Presidency or State.	Diploma Course.			Vernacular "Salutri" Certificate Course.	
	Number of			Number of	
	Hindus.	Mahomedans.	Native Christians.	Hindus.	Mahomedans.
District Local Board, Thar and Párkar	...	1	...	...	...
Gondal State	1	...	...	...	...
Ceylon Government ...	...	...	1	...	...
Junágad State	1	...	...	...	...
Bhávnagar State	1	...	...	...	...
Kurundvád State	1	...	...	...	...
Remount Depôt, Ahmednagar ...	...	...	...	1	1
Akalkot State	...	...	...	1	...
Bánsda State	...	...	...	...	1
Kolhápur State	...	...	...	1	1
District Local Board, Khándesh.	...	...	...	1	...
Total ...	4	1	1	4	3

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

13th May 1901.

APPENDIX F.

Statement showing the number of operations performed in the Bai Sakerbai Dinshaw Petit Hospital for Animals during 1900.

Number.	Operations.	Horses.	Cattle.	Dogs.	Sheep and Goats.	Total.
1	Amputation of tail	...	5	2	...	7
2	„ penis	2	...	...	...	2
3	„ horn	...	9	...	...	9
4	„ leg	...	1	2	...	3
5	Castration	11	1	...	...	12
6	Dental	12	...	...	...	12
7	Firing tendons	19	...	...	...	19
8	„ exostoses	34	...	...	...	34
9	Herniotomy	2	...	...	...	2
10	Neurotomy...	8	...	...	...	8
11	Opening abscesses	5	90	10	2	107
12	„ sinuses	3	18	2	1	24
13	Paracenthesis abdominis ...	...	...	3	...	3
14	Puncturing rumen	...	9	...	...	9
15	Removal scirrous cord	3	...	...	...	3
16	„ Bursati tumour ...	28	...	...	...	28
17	„ tumours	2	107	2	...	111
18	„ cancerous growth ...	2	24	...	...	26
19	„ dead fœtus	...	2	2	1	5
20	Sandcrack operation	6	...	...	...	6
21	Setoning	3	13	...	...	16
22	Setting fractures	1	1	3	...	5
23	Stripping sole for canker ...	2	...	...	...	2
24	Suturing wounds	7	25	2	2	36
25	Tracheotomy	...	1	...	...	1
26	Worm in the eye	2	...	...	...	2
	Total ...	152	306	28	6	492

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

13th May 1901.

APPENDIX G.

Financial Statement of the Bombay Veterinary College for 1900-1901.

Budget Sanction.						Actual Expenditure.					
Heads.	1899-1900.			1900-1901		Heads.	1899-1900.			1900-1901.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—						Teaching Staff	26,940	4	0	30,078	5 10
Teaching Staff	27,425	0	0	30,150	0 0	Establishment	2,400	0	0	2,389	0 0
Establishment	2,400	0	0	2,400	0 0	Contingent Expenditure ...	1,197	12	6	1,430	5 10
Contingent expenditure ...	1,228	0	0	1,228	0 0	Scholarships	750	0	0	420	0 0
Scholarships	900	0	0	900	0 0	Chemicals, &c.	218	7	2	52	3 10
Chemicals	200	0	0	200	0 0	Riding Fees	288	0	0	288	0 0
Examiners' Fees	300	0	0	300	0 0	House Rent Allowance	268	9	10	1,308	12 5
Riding Fees	300	0	0	300	0 0	Travelling Allowance to officers.	1,054	3	0	38	12 0
House Rent Allowance ...	1,440	0	0	1,440	0 0	Furniture and Appartus ...	213	2	6	339	15 2
Books, Periodicals &c.... ...	438	0	0	438	0 0	Buildings and Repairs	881	4	10	5,239	1 1
Travelling allowance to officers.	200	0	0	200	0 0	Books and periodicals	381	0	0	333	13 6
Furniture and apparatus ...	394	0	0	394	0 0	Excursion Charges	75	0	0	.....	
Buildings and Repairs... ...	848	0	0	5,317	0 0	Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0
Excursion Charges	500	0	0	500	0 0	Charges for instruction in Dairy, Work Cattle, &c.	500	0	0	.....	
Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0	Rates and Taxes.	89	11	10	74	4 11
Charges for instruction in Dairy, Work Cattle, &c. ...	500	0	0	500	0 0	Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
Rates and Taxes	82	0	0	82	0 0	Travelling Allowance to Establishment	186	12	0	.....	
Conveyance allowance to Assistant Professor of Anatomy	180	0	0	180	0 0	Grain Compensation Allowance.	99	0	0	198	0 0
Total ...	38,235	0	0	45,429	0 0	Total ...	36,623	3	8	43,270	10 7

N. B.—The increase in the cost fot the maintenance of the College during the year 1900-1901 is mainly due to the construction of drainage in the College compound and laying on gas and water in the laboratories.

Statement of receipts on account of the College credited to Government.

Heads.	1899-1900.	1900-1901.
	Rs.	Rs.
Municipal contribution	2,500	2,500
Fees from students	1,845	1,080
Rent of students' quarters	86	90

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

Bombay, 4th July 1901.

Administration Reports.—
Report of the Bombay Veterinary College for the year 1900-1901.

Educational Department.
No. 1363

Bombay Castle,
16th August 1901.

Letter from the Director of Public Instruction, No. 3518, dated the 31st July 1901.

Submitting the Annual Report of the Bombay Veterinary College for the year 1900-1901, and observing as follows :—

"The Report shows that there were 33 students of the Diploma Course in the College on 1st April 1900, six less than in the previous year. 15 new students joined and 15 left the College during the year. 31 were presented for the annual examination which was this year entirely oral and practical, and 19 passed, the percentage of success rising from 46·15 to 61·29. In addition to these, four students who had failed in previous years were admitted to the Diploma Examination, and of these two were successful. They are not shown in Appendix A, but should be, in my opinion, under a separate heading.

"The Principal hopes that, under the new conditions as to scholarships which have been sanctioned by Government, men with the requisite qualifications will be forthcoming in future years when the scheme is more fully advertised. In the current year seven men only were specially selected under this scheme.

"The Salutri Class had full numbers and the examination results were satisfactory. I lately inspected the students in the Saultri Classes and formed the opinion that they were generally men who are likely to profit by, and do justice to, the instruction afforded to them. No Military students, however, joined the class in January 1901.

"Paragraph 4 of the Report shows the success of graduates in obtaining employment. The results are not very encouraging, for eight graduates are still unemployed.

"There were several changes in the teaching staff and the College was without the services of Veterinary Lieutenant Baldrey for six months in the year. The constant removal of the Assistant Principal from his legitimate duties is very undesirable, but, as I write, Veterinary Lieutenant Baldrey is again withdrawn from the College, and I understand that he is not likely to return for some time.

"The Institution appears to have been carefully managed by the Principal and his staff during the year."

RESOLUTION.—Government concur generally in the remarks of the Director of Public Instruction. The rise in the percentage of passes from 46·15 to 61·29 is fairly satisfactory, but it is observed that out of 19 successful students only six obtained a first class. The Vernacular Class appears to be popular and the results of the first examination are encouraging, but it is a matter for regret that so many as 11 students should have left the College before their training was completed either for want of means or because they were unfit for veterinary work.

2. The attention of the Deputy Adjutant General, Bombay Command, should again be invited to the fact that no Military students have as yet been sent to join the Salutri Class.

3. Government share the hope entertained by the Principal that the new scheme of scholarships will, on becoming more widely known, attract more students connected with agriculture. Orders have already issued for translating into the vernaculars of the Presidency abridged editions of the prospectuses of the English and Vernacular Classes in the College, and for giving every publicity to them.

4. Copies of the Report should be distributed as usual.

H. O. QUIN,
Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Superintendent, Sávantvádi,
The Political Superintendent, Pálanpur,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Deputy Adjutant General, Bombay Command, Poona,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum,
The Editors' Table, Karáchi,
The Municipal Commissioner for the City of Bombay,

} With copies of the Report.

The Superintendent, Government Central Press,
(With a request that the copies of the Report required by this Department may be sent as soon as possible.)

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Secretary of State for India,
The Government of India,
The Officer in charge Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1901-1902.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1902.

[Indian Price—4 Annas.]
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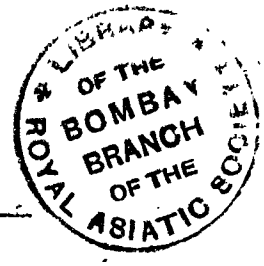
BOMBAY BRANCH
OF THE
Royal Asiatic Society.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR 1901-1902.



II
II. Ground floor A.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1902.

No. 528 of 1902.

Bombay Veterinary College,
Parel, 25th April 1902.

From

JAMES BRODIE-MILLS,
Veterinary Major, A. V. D., J.P.,
Fellow and Examiner, Bombay University,
Principal, Bombay Veterinary College;

To

The Honourable Mr. E. GILES, M.A.,
Director of Public Instruction,
Poona.

SIR,

I have the honour to submit the sixteenth Annual Report of the Bombay Veterinary College, dealing with its administration during the official year 1901-1902. A brief outline of the duties performed in connection with the Bai Sakarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1901 is embodied in the report.

Professional Examinations.

2. With a view to enable members of the Board to return to their headquarters before the 15th December, the Professional Examinations for the Diploma Course were commenced from the 2nd of the same month instead of from the 10th.

The following gentlemen formed the Board of Examiners :—

President.

Veterinary Major W. D. Gunn, Superintendent, Government Cattle Farm, Hissar.

Members.

Veterinary Captain F. Joslen, Superintendent, Civil Veterinary Department, Bombay Presidency.

Veterinary Lieutenant F. S. H. Baldrey, Assistant to the Inspector General, Civil Veterinary Department.

The results of the examinations were declared on the 10th December—*vide* Appendix A. The prizes were awarded on the results of the examinations —*vide* Appendix B.

From Appendix A, it will be seen that from the three classes, out of 33 candidates that presented themselves, 18 passed—a percentage of 54·54 as against 61·29 and 46·15 in 1900 and 1899, respectively. It is very encouraging to note that since the written examinations have been abolished, the examiners find the students better prepared and the results more satisfactory.

While examining students of the Diploma Course, the Board examined also students of the Second (Final) Year of the Salutri Course. At the same time the Teaching Staff of the College conducted the First Examination of the same Course. Out of 54 students that presented themselves, 43 or 79·63 per cent. passed as against 82·14 in 1900. The results of the examinations were declared along with those of the Diploma Course and will be found in Appendix A. Prizes were awarded on the results of the examinations—*vide* Appendix B. The percentage of passes at the examinations for the Salutri Course was higher than that for the Diploma Course. But this is due, as the Board of Examiners have pointed out, to the lower standard of examination to which the students of the Salutri Course were submitted.

The Rules and Regulations for the Course provide that the Second (Final) Examination shall include all the subjects for the first year. This is found hard for students. It has, therefore, been recommended that the First Examination

should also be conducted by the Board of Examiners so that the condition of. including the subjects of the first year in the Second (Final) Examination may be done away with.

Information relating to students.

3. On 1st April 1901, there were 33 students on the rolls of the Diploma Course. There were 26 fresh entries during the year as against 15 and 18 in 1900-1901 and 1899-1900, respectively. One student rejoined Class B.

Fourteen students left the College. Out of these, 5 were from Class C—2 of whom graduated. From Class B, 3 students left—1 on account of constant failure and 2 were removed from the rolls for irregular attendance and inattention to their studies. From Class A, 6 students left—3 having discontinued to attend soon after their joining the College, and 3 having failed at the First Professional Examination in December last. The number of students on the rolls at the close of the official year stood at 46—an increase of 13 over the last year —*vide* Appendix C.

Two old students, who rejoined Class C during the year and passed the Diploma Examination, and two more, who appeared for the examination without attending lectures under Rule 28 of the College Rules and Regulations and passed, have not been shown in the appendix.

Out of seven Government scholars that were elected, 6 passed with credit the First Professional Examination. There are, therefore, grounds for the hope that the institution of the 15 Government Scholarships is likely to attract suitable men to join the College.

During the year, 5 more Government scholars were elected and one, who failed at the Professional Examination, was replaced by a fresh scholar.

Under Rule 11 of the College Rules and Regulations, the Collectors of Ahmedabad, Surat, Panch Mahâls, Kaira, Broach, Khándesh and Poona were requested to recommend candidates for these scholarships and the Head Masters of different English Schools in their districts were also informed of this request. Twenty-three candidates competed for the scholarships, out of which two were recommended by the Collector of Kaira, one each by the Collector of Broach and Khándesh and seven by the Collector of Poona. None came recommended by the Collectors of Ahmedabad, Surat and Panch Mahâls. The number of candidates presented themselves was ample enough to make a good selection from, and those who have been awarded scholarships appear to be very promising.

Of the twenty-six students that joined Class A, two came from Travancore, one from Sind, one from Káthiáwár, and one from Burma. The remaining twenty-one belong to the Bombay Presidency.

Appendix D shows the different nationalities of students on the Diploma Course rolls at the end of the year.

In the new admissions, there were twenty-two Hindus, two Parsis, and two Native Christians.

Appendix E shows the number of students supported by the Native States The number attending under this head was seven as against six and seven in 1900-1901 and 1899-1900, respectively.

On 1st April 1901, there were sixty-one students on the rolls of the Salutri Certificate Course. Forty-two students joined during the year as against thirty-seven and thirty-nine in 1900-1901 and 1899-1900, respectively.

Twenty-seven students left during the year—nineteen from Class B and eight from Class A. Out of the nineteen students that left Class B, sixteen passed the Salutri Certificate Examination. Eight students, having failed at the First Examination, left Class A and two, having failed at the Second (Final) Examination, left Class B. One student, who was promoted to Class B from Class A, also left the Course. Out of fourty-two new students, twenty belong to the Bombay Presidency, eight to Southern Mahrátta States, three to Káthiáwar, seven to Berár, one to the Central Provinces, and three to the Madras Presidency.

Appendix D shows the different nationalities of students attending the Salutri Certificate Course.

In the new admissions there were five Mahomedans and thirty-seven Hindus.

The number of students supported by Native States, Local Boards, Remount Depôts, &c., was six as against seven during the last year.

The question of translating the text books for the Vernacular Course is under the consideration of Government.

It was contended that the two Courses at the College were not made known to the public so as to induce students to come up in sufficient numbers, and it was, therefore, resolved to draw up a concise prospectus and post it in the form of a notice on the village "Chowris." It was also resolved to advertise in the vernacular newspapers. However, from the correspondence received in the matter of admission of students during the year, it has been found that the latter means has proved more useful in giving the required publicity. Had this means not been adopted, the new admissions would not have been so satisfactory as they actually have been.

It was reported last year that the Military Department did not send men to the Two Years' Vernacular Course and I have again to remark that still none have come up.

The attendance of students for both Courses was satisfactory except during the last month of the year when the recrudescence of plague was the cause of many of them leaving for their home.

It was decided to establish here from the next year a three months' Course during the College vacation for training thirty Military petty officers and drivers as dressers, but the Military Authorities have recently informed me that no men will be sent to undergo the Course.

Employment of graduates.

4. Out of the six students that graduated this year, one was already in the employment of the Cochin State, two are working as Assistant Veterinary Officers at the College, and one is holding an acting appointment as Inspector in the Glanders and Farcy Department, Bombay.

Out of the graduates from the previous batches, one obtained a permanent appointment as Veterinary Assistant in Assam for rinderpest inoculation duty, and one as a temporary measure under the Superintendent, Civil Veterinary Department, Bombay Presidency, and one has been employed by the Tramway Company, Bombay.

Applications for a graduate for service in the Native State of Perak on a salary of £120 per annum, rising to £180, and in the British North Borneo, on a salary of Rs. 60, were received, but as yet the appointments have not been made.

Inquires were also made for graduates available for employment as Deputy Superintendent, Civil Veterinary Department, and Senior Veterinary Assistants for the Madras Presidency, but it appears that the question of these appointments is still in abeyance. An appointment of Veterinary Assistant on a salary of Rs. 41 was offered to the graduates of the College by the Chief Medical Officer, Baroda State, but none of them were willing to accept it as the salary was too low.

Continuously for the last 6 years, the opening of new Veterinary dispensaries by the Local Boards has been postponed and graduates have been prevented from obtaining employment from this source. I, however, earnestly hope that strong efforts will be made to induce Local Boards to open the dispensaries during the next official year.

Out of the 16 Salutris that passed during the year; 2 were sent by the Remount Depôt, Ahmednagar, and are employed there, 1 sent by Akalkot State has also obtained employment in the State, 6 have been employed as Junior Veteri-

nary Assistants in the Hyderabad Assigned Districts, and 3 have been selected as Salutris for active service in South Africa.

At my request Government issued a notification to the effect that a certain number of Salutris will he available for service in the Military Department, under Municipalities, Local Boards, and in Native States, and asked those requiring the services of these men to communicate with the Principal direct. Copies of the notification were also sent to the Madras Government, the Chief Commissioner, Central Provinces, the Resident at Hyderabad, and the Agent to the Governor General, Central India. In response to this notification, enquires for Salutris were made by the Collector of Shikárpur, Political Agent, Bundelkhand, Collector of Násik and the Chief Officer, Poona Municipality, but no appointments have as yet been offered by them.

The Assistant Superintendent of Police, Thar and Párkar, offered to Salutris the appointments of Duffedárs, on a pay of Rs. 16, plus Rs. 13 horse allowance, in the Mounted Police under him, but none of them accepted the appointments.

The Deputy Adjutant General, Bombay Command, twice inquired during the year whether he would be able to procure men from the College to volunteer for service in South Africa as Salutris, the terms being pay Rs. 60, with free rations and clothing. On the first occasion, a circular was sent by me to the graduates who were unemployed asking them whether they would volunteer to go to South Africa, but none of them consented to do so on the terms offered. On the second occasion, as the first batch of Salutris was out, a circular was sent round both to the graduates and Salutris who were unemployed, but only 4 of the Salutris volunteered to go. Thus I regret I was unable to fully meet the demand made by the Deputy Adjutant General. Under these circumstances, it is quite evident that, unless a previous agreement is entered into with civilian students, they can never be depended upon in an emergency like the present one, and that some steps should be taken to accomplish this and endevours be made to at once carry out the scheme of training Military men as Salutris.

Extra duties.

5. (*a*). Controlled the Glanders and Farcy Department in Bombay.

(*b*). Inspected horses in Bombay and Bandra Stables, at the Harbour, and Sewree Lazaretto.

(*c*). Treated sick animals of the Commissariat Department.

(*d*). Performed the duties of receiving and despatching stallions imported for the Civil Veterinary Department. 13 horses and 53 donkeys were landed and despatched to Babugarh Depôt. Besides this, 22 horses purchased in Bombay were received and despatched to that Depôt. Also 2 English horse stallions were received and despatched to Ahmednagar.

(*e*). Advised the Commissioner of Police regarding the purchase and casting of horses.

(*f*). Acted as an Examiner in Veterinary Science at the examinations in Agriculture of the Bombay University.

(*g*). Conducted experiments in connection with Lymphangitis Epizootica at the Sewree Lazaretto, and reported the results of the experiments to Government who thanked me and Captain Glen Liston, I.M.S., of the Research Laboratory at Parel, whose services were placed at my disposal to assist me in carrying out the experiments. The report has been forwarded to the Government of India who have been requested to schedule the disease under Section 2 (1) of the Glanders and Farcy Act XIII of 1899.

Mr. N. D. Dhakmarvala, Assistant Principal, was deputed to visit Kathiáwár during the last Christmas with a view to visit the different paddocks and study the breeds of horses and cattle of that province.

Teaching Staff.

6. Veterinary Lieutenant F. S. H. Baldrey, Assistant Principal, who was deputed to attend the Horse Shows and Cattle Fairs in the Punjab, resumed his duties at the College on 9th April 1901 and availed himself of the vacation leave from the same date.

On the 11th June 1901, he was permanently transferred from the College and appointed as Assistant to the Inspector General, Civil Veterinary Department. On his transfer, Assistant Professor N. D. Dhakmarvala was gazetted sub. *pro-tem* Assistant Principal from 22hd June 1901. Veterinary Inspector T. E. Rodrigues was appointed sub. *pro-tem* Assistant Professor of Anatomy in Mr. Dhakmarvala's place.

It has been proposed to Government to make the two appointments of Assistant Professors, held by Messrs. Dhakmarvala and Vakharia, gazetted as they complete 12 years service and reach their maximum pay on 1st April 1902. This recommendation is made with a view to improve their status and put them on the same footing as the two Lecturers at the Bengal Veterinary College.

Mr. Dhakmarvala performed the duties of Assistant Principal throughout the year with credit.

Messrs. Vakharia, Rodrigues, Town, Shaikh and Joshi, the other members of the Teaching Staff, performed their duties to my entire satisfaction.

Branches of Study.

7. Anatomy—19 subjects were obtained for dissection this year as against 22 and 28 in 1900-1901 and 1899-1900, respectively.

Physical training.

8. The riding class was held as usual at His Excellency the Governor's Body Guard Menage. Also the students of the Salutri Class went through a course of drill under Staff Sergeant Farrier Town, Instructor in Shoeing, which has been of the greatest benefit to the men.

Museum and Library.

9. Many additions to the Museum and Libarary were made during the year.

Donors of prizes.

10. The following gentlemen should be thanked for their liberality in contributing to the prize fund :—

Sir Dinshaw Maneckji Petit, Bart.

Veterinary Captain F. Joslen.

Bayley Memorial Committee.

Visitors.

The following gentlemen visited the College and Hospital during the year :—

Mr. J. B. Fuller, C. I. E., Secretary to Government of India, Revenue and Agricultural Department.

The Honourable Mr. J. W. P. Muir-Mackenzie, Chief Secretary to Government.

The Honourable Mr. E. Giles, Director of Public Instruction.

The Honourable Mr. Justice E. M. H. Fulton.

Dr. J. Pollen, I. C. S.

Veterinary Lieutenant-Colonel J. W. A. Morgan, Inspector General, Civil Veterinary Department.

Italian General Berta.

Hospital.

12. The records of the Hospital give the following information relative to patients, etc :—

(*a*) *In-patients.*—1,642 were admitted in 1901 as against 1,540 and 1,085 in 1900 and 1899, respectively, showing an increase of 102 when compared with that of the last year. The various classes of animals admitted were as follows:—Horses 403, cattle 1,070 and dogs 169. The daily average was 126 showing a decrease of 3 when compared with that of the last year.

(*b*) *Out-patients.*—718 were treated in 1901 as against 592 and 838 in 1900 and 1899, respectively, giving an increase of 126 when compared with the previous year.

(*c*) *Mortality.*—The mortality in horses for 1901 was at the rate of 7·94 per cent; in cattle 5·51 per cent. and in dogs 36·68 per cent as against 4·89 per cent. 4·15 per cent. and 37·06 per cent, respectively, in 1900.

(*d*) Appendix F is a statement of the number of operations performed in the Hospital. They numbered 450 on horses, 82 on cattle, 340 on dogs, 22 on sheep and goats 6.

As was done in 1896, the Society for the Prevention of Cruelty to Animals again offered prizes on the humane treatment of animals, and about 600 girls and boys from different Schools and Colleges visited this Institution on 22nd February 1902 for the purpose of having demonstrated to them what the care and treatment of sick animals mean and the measures adopted here for their well-being and comfort.

Buildings.

13. New weather boards were provided at the western and southern side of the second floor of the Patho-Bacteriological Laboratory and old ones removed to the east side. This was done with a view to prevent leakage of water during the rains.

Gas was laid on in the Pharmacy and an incandescent gas lamp, with two burners, was provided under the College portico with a view to utilize it while operating on emergent cases during the night.

Office.

14. The work of the office continues to increase and both Mr. V. B. Phatak, Head Clerk, and Mr. S. G. Ranade, second Clerk, performed their duties to my satisfaction.

Financial Statement.

15. Appendix G is the financial statement for the year under report.

I have the honour to be,

Sir,

Your most obedient Servant,

J. BRODIE-MILLS, Vety. Major, A.V.D.,
Principal, Bombay Veterinary College.

APPENDIX A.

Bombay Veterinary College.

Results of Professional Examinations, December 1901.

Examinations.	First Class.	Pass.	Total Candidates		Percentage of Passes.
			Examined.	Passed.	
Diploma Course.					
First Professional	7	2	15	9	60·00
Second Professional	1	2	8	3	37·50
Third Professional	5	1	10	6	60·00
Total ...	13	5	33	18	54·54
Vernacular "Salutri" Certificate Course.					
First Professional	8	19	31	27	87·10
Second Professional	9	7	23	16	69·56
Total ...	17	26	54	43	79·63
Grand Total ...	30	31	87	61	70·11

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

25th April 1902.

APPENDIX B.

Bombay Veterinary College.

Return of Prizes, &c., awarded to Students for 1901.

No.	Subject.	Nature.	Value.	Successful Candidate.	Donor's Name.
	Diploma Course.				
	Third Professional.		Rs.		
1	Best Student	Books and Instruments.	55	J. F. L. DeMonte ...	Bayley Memorial.
2	Operative Surgery	Do. do. ...	30	J. F. L. DeMonte ...	Do.
3	Soundness	Silver Medal	15	J. F. L. DeMonte ...	Government.
4	Breeding and Obstetrics ...	Books and Instruments.	32	H. S. Aiyengar ... / J. F. L. DeMonte ... / N. C. Malandkar ...	Veterinary-Captain F. Joslen.
	Second Professional.				
5	Best Student	Do. do. ...	35	G. K. Pillai	Sir D. M. Petit, Bart.
6	Medicine and Surgery ...	Do. do. ...	25	G. K. Pillai	Bayley Memorial Committee.
7	Shoeing	Do. do. ...	20	S. C. Jaysing Raj ...	Do.
	First Professional.				
8	Best Student	Do. do. ...	25	G. H. Joshi	Sir D. M. Petit, Bart.
9	Handling of Animals ...	Silver Medal	15	G. L. Muley... ...	Steel Memorial.
10	Anatomy and Physiology ...	Books and Instruments.	20	J. M. Bhatt... ...	Bayley Memorial Committee.
	Vernacular "Salutri" Certificate Course.				
	Second Professional.				
11	Best Student	Books and Instruments.	30	M. N. Bam	Bayley Memorial Committee.
	First Professional.				
12	Best Student	Do. do. ...	20	V. V. Kale	Do.

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

25th April 1902.

APPENDIX C.

Bombay Veterinary College.

Return showing Changes in the Number of Students in 1901-1902.

Class.	Number of Students on 1st April 1901.	Withdrawn.		Entries.		Number of Students on 31st March 1902.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Diploma Course.							
Class C	6	5	...	...	3	4	
Do. B	9	3	3	1	9	13	
Do. A	18	6	9	26	...	29	
Diploma Course, Total .	33	14	12	27	12	46	
Vernacular "Salutri" Certificate Course.							
Class B	23	19	...	...	27	31	
Do. A	38	8	27	42	...	45	
Salutri Course, Total ...	61	27	27	42	27	76	
Diploma and Salutri Courses, Grand Total.	94	41	39	69	39	122	

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

25th April 1902.

APPENDIX D.

Bombay Veterinary College.

Return showing the Number and Nationality of Students for the year 1901-1902.

Castes.	Paying.	Native States, Local Boards and Municipalities.	Government Scholars.	Government free.	Total.	Remarks.
DIPLOMA COURSE.						
Class C.						
Portuguese and Native Christians	...	2	...	...	2	
Hindus	2	...	...	...	2	
Total ...	2	2	...	...	4	
Class B.						
Pársis	1	...	...	...	1	
Hindus	2	3	6	1	12	
Total ...	3	3	6	1	13	
Class A.						
Portuguese and Native Christians	2	...	...	...	2	
Pársis	3	...	1	...	4	
Hindus	16	2	5	...	23	
Total ...	21	2	6	...	29	
Diploma Course, Total ...	26	7	12	1	46	
VERNACULAR "SALUTRI" CERTIFICATE COURSE.						
Class B.						
Portuguese and Native Christians	...	...	...	1	1	
Mahomedans	...	1	...	1	2	
Hindus	...	1	...	27	28	
Total ...	...	2	...	29	31	
Class A.						
Mahomedans	...	2	...	3	5	
Hindus	...	2	...	38	40	
Total ...	...	4	...	41	45	
Salutri Course, Total ...	...	6	...	70	76	
Diploma and Salutri Courses, Grand Total ...	26	13	12	71	122	

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

25th April 1902.

APPENDIX E.

Return showing Castes and number of Students supported by Native States, Local Boards, &c., attending the Bombay Veterinary College during the year 1901-1902.

Province, Presidency, or State.	Diploma Course.			Vernacular "Salutri" Certificate Course.	
	Number of			Number of	
	Hindus.	Mahomedans.	Native Christians.	Hindus.	Mahomedans.
Gondal State	1	...	...	...	...
Ceylon Government ...	...	...	1	...	...
Mysore State	...	...	1	...	...
Junágad State	1	...	...	...	...
Bhávnagar State	1	...	...	...	...
Kurundvád State	1	...	...	...	...
Remount Depôt, Ahmednagar ...	...	...	...	...	1
Do. do. Hosnr ...	...	...	...	1	1
Bánsda State	...	...	...	...	1
Jamnagar State	1	...	...	...	...
Sawantwádi State ...	...	...	...	1	...
District Local Board, Khándesh.	...	...	...	1	...
Total ...	5	...	2	3	3

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

25th April 1902.

APPENDIX F.

Statement showing the number of Operations performed in the Bai Sakerbai Dinshaw Petit Hospital for Animals during 1901.

Number.	Operations.	Horses.	Cattle.	Dogs.	Sheep and Goats.	Total.
1	Amputation of tail	...	6	...	...	6
2	„ penis	2	1	...	...	3
3	„ horn	...	10	...	1	11
4	„ leg	...	2	...	...	2
5	Castration	5	2	1	...	8
6	Dental	2	...	...	...	2
7	Firing tendons	10	...	...	...	10
8	„ exostoses	19	3	...	...	22
9	Herniotomy	3	...	...	...	3
10	Lithotomy	1	1	...	...	2
11	Neurotomy...	10	...	...	...	10
12	Opening abscesses	5	131	...	...	136
13	„ sinuses	3	14	2	...	19
14	Paracenthesis abdominis ...	...	...	1	...	1
15	Puncturing rumen	...	8	...	...	8
16	Ruminotomy	...	1	...	...	1
17	Removal Bursati tumours ...	7	...	...	...	7
18	„ tumours	3	134	2	...	139
19	„ cancerous growth ...	...	...	8	...	8
20	„ dead fœtus	...	...	4	3	7
21	Sandcrack operation	3	...	...	...	3
22	Setoning	3	20	...	...	23
23	Setting fractures	2	6	4	2	14
24	Stripping sole for canker ...	2	...	...	...	2
25	Tracheotomy	2	1	...	...	3
	Total ...	82	340	22	6	450

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

25th April 1902.

APPENDIX G.

Financial Statement of the Bombay Veterinary College for 1901-1902.

Budget Sanction.						Actual Expenditure.					
Heads.	1900-1901			1901-1902.		Heads.	1900-1901.			1901-1902.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—						Teaching Staff	30,078	5	10	32,152	10 10
Teaching Staff	30,150	0	0	31,470	0 0	Establishment	2,389	0	0	2,400	0 0
Establishment	2,400	0	0	2,400	0 0	Contingent Expenditure ...	1,430	5	10	1,256	11 0
Contingent Expenditure ...	1,228	0	0	1,228	0 0	Scholarships	420	0	0	1,033	7 0
Scholarships	900	0	0	1,800	0 0	Chemicals, &c.	52	3	10	44	0 0
Chemicals	200	0	0	200	0 0	Riding Fees	288	0	0	288	0 0
Examiners' Fees	300	0	0	300	0 0	House Rent Allowance	1,308	12	5	1,404	0 0
House Rent Allowance ...	1,440	0	0	1,440	0 0	Travelling Allowance to officers.	38	12	0	111	0 0
Books, Periodicals, &c. ...	438	0	0	438	0 0	Furniture and Apparatus ...	339	15	2	383	14 0
Travelling Allowance to officers.	200	0	0	200	0 0	Buildings and Repairs	5,239	1	1	1,131	14 3
Furniture and Apparatus ...	394	0	0	394	0 0	Books and Periodicals	383	13	6	200	10 1
Buildings and Repairs... ...	5,317	0	0	1,132	0 0	Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0
Excursion Charges	500	0	0	.....		Rates and Taxes.	74	4	11	74	4 11
Honorarium to three Assistant Veterinary Officers .., ...	900	0	0	900	0 0	Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
Charges for instruction in Dairy, Work Cattle, &c. ...	500	0	0	500	0 0	Grain Compensation Allowance...	198	0	0	198	0 0
Rates and Taxes	82	0	0	82	0 0	Total ...	43,270	10	7	41,758	8 1
Conveyance allowance to Assistant Professor of Anatomy	180	0	0	180	0 0						
Riding Fees	300	0	0	300	0 0						
Total ...	45,429	0	0	42,964	0 0						

Statement of Receipts on account of the College credited to Government.

Heads.	1900-1901.			1901-1902.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal contribution	2,500	0	0	2,500	0	0
Fees from students	1,080	0	0	1,785	0	0
Rent of students' quarters	90	0	0	140	0	0
Sale-proceeds of old furniture ...	.....			33	4	0

JAMES BRODIE-MILLS,
Veterinary-Major, A. V. D.,
Principal, Bombay Veterinary College.

Bombay, 6th June 1902.

Administration Reports.—
Report of the Bombay Veterinary College for the year 1901-1902.

Educational Department.
No. 1237

Bombay Castle,
9th July 1902.

Letter from the Director of Public Instruction, No. 2299, dated the 19th June 1902.

"I have the honour to forward the Annual Report of the Veterinary College, Parel, and to add the following remarks.

"2. The report shows that the number of pupils studying the Diploma Course has increased from 33 on March 31st, 1901, to 46 on the same date in 1902. This is satisfactory, and the account given by the Principal of the competition for scholarships and the general character of the elected scholars seems to show that under the present system the material obtained is more promising than formerly.

"3. The examination results in the Diploma Course are moderate, but apparently the abolition of the written examination has resulted in the application of a better and more practical test.

"4. It is satisfactory to note that of the six graduates who passed this year four are employed and that three of the unemployed graduates of former years have obtained posts. With a return of prosperity in the Presidency Local Board Veterinary dispensaries will no doubt be established and thus afford an opening for passed students of the Diploma Course.

"5. The account of the Salutri Classes is not unsatisfactory, but it will be seen that only four of the passed salutris were ready to go on active service. I do not think that this is surprising, for pupils in the Salutri Classes are enrolled without any specified condition that they should go on active service to any place to which they may be ordered. A solution of the difficulty might be found if the Military Department could send up men for training as salutris to the College, but at present this is not done. 12 out of 16 salutris who passed the full course have obtained employment, and on the whole the Salutri Classes appear to have justified their existence, but it remains to be seen whether the men sent out are generally useful and competent.

"6. The Assistant Principal of the College, Veterinary Lieutenant Baldrey, was absent on other duty nearly the whole year. It is needless to point out that the work of the College is greatly handicapped by the constant removal of the Assistant Principal, and I am strongly of opinion that steps should be taken to render this impossible in future. It is useless to establish a large institution for veterinary training and then to impair the instruction given in it by the constant removal of one of the most important teachers.

"The Principal states that proposals have been made to Government to place the Assistant Professors on the list of gazetted officers. A proposal to this effect was placed before me by the Principal, but in view of the contemplated transfer of control of the College from the Educational to the Agricultural Department, I did not forward the papers to Government.

"7. I am of opinion that the College has been successfully managed during the year by the Principal who cordially acknowledges the services of his subordinates. The work of the Principal is always heavy, but especially so when he has no European Assistant Principal to relieve him of responsibility."

RESOLUTION.—The report has been reviewed by the Director of Public Instruction, in whose remarks Government concur generally.

A. M. T. JACKSON,
Acting Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
} With copies of the Report.

[*P. T. O.*

The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department of the Secretariat,
The Political Agent, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Agent, Sávantvádi,
The Political Superintendent, Pálanpur,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department of the Secretariat,
The Revenue Department of the Secretariat,
The Sanitary Commissioner for the Government of Bombay,
The Deputy Adjutant General, Bombay Command, Poona,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum,
The Editors' Table, Karáchi,
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press,
(With a request that the copies of the Report required by this Department may be sent as soon as possible.)

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Officer in charge Imperial Library, Secretariat Buildings, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

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REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1902-1903.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS

1903.

[Indian Price—5 Annas.]
[English Price—6 Pence.]

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REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1902-1903.

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1903.

No. 535 of 1903.

Bombay Veterinary College,
Parel, 30th April 1903.

From

THE PRINCIPAL,
Bombay Veterinary College;

To

THE DIRECTOR OF PUBLIC INSTRUCTION,
BOMBAY PRESIDENCY,
Poona.

SIR,

I have the honour to submit the Seventeenth Annual Report of the Bombay Veterinary College, dealing with its administration during the official year 1902-1903, for a major portion of which Veterinary-Major J. Brodie-Mills held the office of Principal. A brief outline of the duties performed in connection with the Bái Sakarbái Dinshaw Petit Hospital for Animals for the year ending 31st December 1902 is embodied in the report.

Professional Examinations.

2. The examinations commenced on the 8th December and lasted till the 20th of the same month when the results were declared (*vide* Appendix **A**) and prizes awarded.

The following gentlemen formed the Board of Examiners:—

President.

Veterinary-Captain F. Joslen, Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Veterinary-Lieutenant J. Farmer, Superintendent, Hissar Cattle Farm.

K. Hewlett, Esquire, Indian Civil Veterinary Department.

From Appendix **A**, it will be seen that from the three College Classes out of 44 candidates that presented themselves, 33 passed, a percentage of 75·00 as against 54·54 and 61·29 in 1901 and 1900, respectively. It is a satisfactory feature to have such an increase in the percentage of passes. This result is due partly to the change in the mode of teaching which is made more practical and partly to the quality of students. There is no doubt that the new scheme of scholarships has attracted better men to join.

The Board also examined students of the Second (Final) Year of the Salutri Course, and the teachers of the College conducted the First Examination of the same course. Out of 67 students that presented themselves, 48 passed, a percentage of 71·64 as against 79·63 and 82·14 in 1901 and 1900, respectively. With the results of examinations for the Diploma Course, the results of these examinations were declared and prizes awarded. The results will be found in Appendix **A**.

The Board of Examiners have recommended some minor changes in the curriculum for the Diploma Course. They have also recommended that the First Examination of the Salutri Course as well as the Second should be conducted by them and not by the Teaching Staff.

It has been decided by Government that, until it is otherwise demonstrated by actual experience, both the English and the Vernacular Courses should be

maintained at the College, and that the Diploma Course should prepare men to take charge of Veterinary Dispensaries and to do superior professional work while the Salutri Course should train men for employment as Itinerating Assistants and for work not requiring superior skill.

Information relating to students.

3. At the beginning of the year, there were 46 students on the rolls of the Diploma Course. There were 32 entries during the year as against 26 and 15 in 1901-1902 and 1900-1901, respectively. Out of these, 28 joined Class A, 3 joined Class B under concession, and 1, an old student, rejoined Class C.

Ten students left the College. Out of these, 3 passed the Diploma Examination, 1 was dismissed from Class A for misconduct, and 6 left that Class. Out of these 6, 4 discontinued their attendance soon after joining the College and 2 left on account of their inability to attend owing to continued illness. The number of students at the close of the official year stood at 69 as against 46 and 33 in 1901-1902 and 1900-1901, respectively (*vide* Appendix **B**). Such a large increase in the number of students attending is partly owing to the Presidency having been free from famine and partly to the fact that the institution is obtaining popularity. The increase is also due to the fact that people have become inert to the consequences of plague and are accustomed to continue their avocations notwithstanding its prevalence. Two students, who rejoined Class C and passed the Diploma Examination during the middle of the year, and 1 student, who appeared for the Diploma Examination without attending lectures and passed, have not been shown in Appendix **B**.

There were altogether 12 Government scholars on the list in January 1902, 6 elected in 1901 having been allowed to continue and 6 newly elected. Out of these 4 passed the Second Professional and 4 the First Professional, 2 failed at the Second Professional and were, therefore, deprived of their scholarships, 1 was removed from the Rolls on account of his inability to attend owing to illness, and 1 was dismissed for misconduct. Seven more scholars were elected in January 1903, making up a total of 15, the sanctioned number of scholars.

Under Rule 11 of the College Rules and Regulations, the Collectors of Ahmedabad, Surat, Panch Mahâls, Násik, Sholápur and Kánara were asked to recommend candidates for Government scholarships and the Head Masters of different High Schools in their districts were also informed. Out of the 25 candidates who applied for scholarships, 18 appeared before the Committee for selection, 12 being recommended by Collectors and 6 having applied to the Principal direct. However, comparatively few candidates from the Gujarát Districts presented themselves before the Committee.

Out of 28 students that joined Class A, 3 belong to the Madras Presidency, 2 each to Mysore State and Berár, 1 each to Benares, Burmah and Ceylon, 6 to Native States in the Bombay Presidency and 12 to the Presidency proper. Out of 3 that joined Class B, 1 belongs to the Madras Presidency, 1 to Ceylon and 1 to the Bombay Presidency.

Appendix **C** shows the different nationalities of students on the Diploma Course rolls at the end of the year.

In the new admissions to Class A, there were 20 Hindus, 3 Mahomedans, 1 Buddhist, 3 Native Christians and 1 Eurasian or European; and to Class B, 2 Hindus and 1 Buddhist.

At the begining of the year, there were 76 students on the rolls of the Salutri Certificate Course. Thirty-one students joined during the year as against 42 and 37 during 1901-1902 and 1900-1901, respectively. The number of students at the end of the year was 67 (*vide* Appendix **B**).

Forty students left during the year, out of which 26 left Class B—19 on passing the Salutri Certificate Examination and 7 having failed at the examination. Fourteen left Class A—8 soon after they joined, 2 because they were not allowed to go up for the First Examination in December and 4 on having failed at the Examination. Three students who rejoined Class B in the middle of the

year and passed the Salutri Certificate Examination have not been shown in Appendix **B.**

Out of 31 students that joined during the year, 2 belong to Berár, 8 to Native States in the Bombay Presidency and 21 to the Presidency proper.

Appendix **C** shows the different nationalities of students attending the Salutri Certificate Course.

In the new admissions, there were 2 Mahomedans and 29 Hindus.

The Local Boards of Bijápur and Khándesh have each sent during the year a student for this course.

Vernacular text-books are being prepared, and it is hoped that they will be ready for use by students of Class A during the next year.

The Military Department have not yet sent men to be trained as Salutris here. Also on account of plague they do not intend to send men to be trained as dressers.

The attendance of students was just as good as last year.

About 300 applications were sent in by candidates for admission to the Diploma Course and 200 for the Salutri Course, but only 50 of the former and 55 of the latter appeared in person here. Four of those that came to join the Diploma Course were rejected on account of bad physique and 4 on account of their deficiency in general education and 14 merely came to enquire and decided not to join. Sixteen of those that came to join the Salutri Course were rejected on account of bad physique and 8 for want of education.

Employment of Graduates and Salutris.

4. Six students passed the Diploma Examination in December last. Out of these, one is employed by the Travancore State and one by the Mudhol State. Two stipendiary students—one sent by the Ceylon Government and one by the Mysore State—returned to their native places after Graduation, but the particulars of their employment are not known. One is working as Assistant Veterinary Officer at the College and one is unemployed.

A Graduate was appointed as a Veterinary-Inspector in the Native State of Perak belonging to the Federated Malay States on a salary of £120 rising to £180, per annum. Another Graduate obtained a similar appointment in Malacca. A Graduate was appointed to take charge of the Local Board Veterinary Dispensary at Trichnopoly, and another as Senior Veterinary Assistant under the Superintendent, Civil Veterinary Department, Madras. The appointment of Itinerating Veterinary Assistant was sanctioned as a temporary measure for the Thána District and was given to a Graduate.

Negotiations are being carried on for securing the services of a Graduate as an Inspector for the State of Negri Sembilan of the Federated Malay States.

Inquiries for the employment of Graduates were made by the Gwálior State, the Government of Mauritius, the Mandalay Municipality and the Court of Wards, Ongole, in the Madras Presidency. The Superintendent, Civil Veterinary Department, Madras Presidency, also enquired whether 5 Graduates were available for dispensary work on a salary of Rs. 50 rising to Rs. 75, but none of them were willing to accept the appointments on the terms offered.

It is very likely that there will be a new opening for our Graduates as Sanitary Inspectors under different Municipalities, as Government has permitted them to attend the class for the training of Sanitary Surveyors established by the Bombay Municipality. One Graduate has already passed the examination for Sanitary Surveyor with credit, having stood 1st on the list of passes, and two more have been attending the class and will submit themselves for the examination in June.

Out of 22 Salutris that passed during the year, only 6 have been employed, 5 in Berár and 1 in the Mounted Police of the Thar and Párkar District.

Thirty-eight Salutris have altogether passed from here. Out of these, 17 only have got appointments, 11 in Berár, 3 under Native States, 1 under the

Poona Municipality, 1 in the Mounted Police in Sind and 1 at the Hosur Remount Depôt. Although Government intimated to the Military Department and several Local Boards, Municipalities and Native States that Salutris were being trained here and were available for employment, no demand has as yet been created for them, and, had none of them obtained employment in Berár, all of the 38, with the exception of 6, would have been without employment.

It is, however, under the contemplation of Government to open Local Board Veterinary Dispensaries in some of the districts where there are none at present, and create more appointments of Itinerating Veterinary Assistants. Thus, it is possible for some more Graduates and Salutris to obtain employment, but many of the latter will still remain unemployed until some other sources of employment are available for them.

Extra duties.

5. (*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Inspected horses in Bombay and Bándra Stables, at the Harbour, and Sewri Lazaretto.

(*c*) Treated sick animals for the Commissariat Department.

(*d*) Performed the duties of receiving and despatching stallions imported for the Civil Veterinary Department. Ten horses and 35 donkeys were landed and despatched to Babugarh Depôt. Besides this, 23 horses, purchased in Bombay by the Inspector-General, Civil Veterinary Department, were received and despatched to the Depôt.

(*e*) Advised the Commissioner of Police regarding the purchase and casting of horses.

Veterinary-Major J. Brodie-Mills brought out a second edition of his *Veterinary Pharmacopœia*, a text-book for students in Veterinary Colleges in India, which is being published by Government and for which an honorarium of Rs. 500 was paid to him. He also acted as an Examiner in Veterinary Science at the examinations in agriculture of the Bombay University.

Teaching Staff.

6. Having finished the duties as an Examiner here, I took charge of the office of Assistant Principal from Mr. N. D. Dhakmarvala on the 22nd December under Government orders. Mr. Dhakmarvala acted as sub. *pro tem.* Assistant Principal from 22nd June 1901 until he was relieved by me. During this period Veterinary-Inspector T. E. Rodrigues acted as Assistant Professor of Anatomy in the place of Mr. Dhakmarvala. During my absence for treatment at the Pasteur Institute at Kasauli from the 10th January to 4th February, Mr. Dhakmarvala acted as Assistant Principal and Mr. Rodrigues as Assistant Professor of Anatomy. Veterinary-Major J. Brodie-Mills having proceeded on a year's furlough to Europe on the 7th March last, I am holding charge of the office of Principal in addition to my own duties. Mr. Y. B. Bhagwat acted for Mr. A. I. Shaikh, Instructor to the Vernacular Class, while he was on privilege leave for one month from the 9th July.

The mother tongue of the majority of students undergoing instruction in the Vernacular Class being Maráthi, an additional appointment of an Instructor knowing Maráthi was sanctioned for the Class, and Mr. S. R. Jalihal, Veterinary Officer, Sangli State, was given the appointment. In addition to this step which ensures efficient teaching to the Class, it has been resolved that the two senior Instructors should pass a vernacular test in Maráthi and Mr. Jalihal, in Hindustáni.

The Teaching Staff, both for the College and the Salutri Class, performed their duties efficiently.

With reference to paragraph 6 of the Government Resolution, Educational Department, No. 1237, dated 9th July 1902, a fresh proposal for placing the two Assistant Professors on the list of gazetted officers was made, but it was negatived by the Acting Director of Public Instruction.

Control of the College.

7. As the Director of Land Records and Agriculture is in a position to know the Veterinary requirements of the Presidency and to see that the instruction given here is directed towards meeting them, he is associated with the Director of Public Instruction in the control of this Institution. It is calculated that the active interest by the head of the Agricultural Department thus created will tend to the prosperity of the Institution.

Branches of study.

8. *Anatomy.*—Eighteen subjects were obtained for dissection this year as against 19 and 22 in 1901-02 and 1900-01, respectively.

Physical training.

9. As usual lessons in riding were given to the senior students of the Diploma and Salutri Courses at His Excellency the Governor's Body Guard Menagé, Chowpati. Salutri students went through a course of drill under Staff Sergeant Farrier Town, Instructor in Shoeing. Cricket is also played by students under the auspices of the College Gymkhana.

Museum and Library.

10. Additions to the Museum and Library were made during the year.

Donors of prizes.

11. Sir Dinshaw Manekji Petit, Bart., and the Bayley Memorial Committee should be thanked for the handsome contributions made by them to the prize fund of the College.

Visitors.

12. The following gentlemen visited the College and Hospital during the year :—

His Excellency Lord Northcote, the Governor of Bombay.

H. S. Lawrence, Esq., I. C. S., Director of Land Records and Agriculture.

F. G. Selby, Esq., M. A., Acting Director of Public Instruction.

Dr. J. Pollen, I. C. S., Commissioner of Customs, and President, Society for the Prevention of Cruelty to Animals.

Veterinary-Lieutenant-Colonel J. W. A. Morgan, Inspector-General, Civil Veterinary Department.

Hospital.

13. The records of the Hospital give the following information relative to patients, etc.:—

(*a*) *In-patients.*—2,618 were admitted in 1902 as against 1,642 and 1,540 in 1901 and 1900, respectively, showing an increase of 976 over the last year.

The various classes of animals admitted were as follows :—Horses 614, cattle 1,729, and dogs 275. The daily average was 204, showing an increase of 78 when compared with that of the last year.

(*b*) *Out-patients.*—659 were treated in 1902 as against 718 and 592 in 1901 and 1900, respectively, giving a decrease of 59 when compared with the previous year.

(*c*) *Mortality.*—The mortality in horses for 1902 was at the rate of 4·07 per cent., in cattle 2·54 per cent., and in dogs 27·27 per cent., as against 7·94 per cent., 5·51 per cent. and 36·68 per cent., respectively, in 1901 and 4·89 per cent., 4·15 per cent. and 37·06 per cent., respectively, in 1900.

(*d*) The number of operations performed in the Hospital during the year were 60 on horses, 530 on cattle, 19 on dogs and 4 on sheep and goats.

14. The students' quarters, which are at present at the College, accommodate 6 of them only, while it is desirable to have as many of them living on the premises as it is possible. With this end in view, it is under the contemplation of Government to build new quarters which will give an accommodation to 50 students.

Buildings.

15. The work of the office of the College and of the Glanders and Farcy Department was satisfactorily performed by Mr. V. B. Phatak, Head Clerk, and his assistants.

Office.

16. Appendix D is the financial statement for the year under report.

I have the honour to be,
Sir,
Your msot obedient servant,
K. HEWLETT, I. C. V. D.,
Acting Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Professional Examinations, December 1902.

Examinations.	First Class.	Pass.	Total Candidates		Percentage of Passes.
			Examined.	Passed.	
Diploma Course.					
First Professional	3	12	22	15	68·18
Second Professional	2	10	15	12	80·00
Third Professional	2	4	7	6	85·71
Total ...	7	26	44	33	75·00
Vernacular "Salutri" Certificate Course.					
First Professional	1	25	35	26	74·28
Second Professional	11	11	32	22	68·75
Total ...	12	36	67	48	71·64
Grand Total ...	19	62	111	81	72·97

APPENDIX B.

BOMBAY VETERINARY COLLEGE.

Return showing Changes in the Number of Students in 1902-1903.

Class.	Number of Students on 1st April 1902.	Withdrawn.		Entries.		Number of Students on 31st March 1903.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Diploma Course.							
Class C	4	3	...	1	*12	14	* One of these, an old student, rejoined Class "B" in the middle of the year and was transferred to Class "C" after passing Second Professional.
Do. B	13	...	*12	3	15	20	
Do. A	29	7	15	28	...	35	
Diploma Course, Total .	46	10	27	32	27	69	
Vernacular "Salutri" Certificate Course.							
Class B	31	26	...	...	26	31	
Do. A	45	14	26	31	...	36	
Salutri Course, Total...	76	40	26	31	26	67	
Diploma and Salutri Courses, Grand Total.	122	50	53	63	53	136	

K. HEWLETT, I.C.V.D.,
Acting Principal, Bombay Veterinary College.

30th April 1903.

APPENDIX C.

Bombay Veterinary College.

Return showing the Number and Nationality of Students for the year 1902-1903.

Castes.	Paying.	Native States, Local Boards and Municipalities.	Government Scholars.	Government free.	Total.	Remarks.
DIPLOMA COURSE.						
Class C.						
Pársis	1	...	...	...	1	
Mahomedans	1	...	...	...	1	
Hindus	5	3	4	...	12	
Total ...	7	3	4	...	14	
Class B.						
Hindus	12	1	3	...	16	
Pársis	2	...	1	...	3	
Buddhists	...	1	...	...	1	
Total ...	14	2	4	...	20	
Class A.						
Hindus	19	1	5	...	25	
Native Christians and Portuguese	4	...	...	...	4	
Pársis	...	...	1	...	1	
Mahomedans	2	...	1	...	3	
Buddhists	1	...	...	...	1	
Eurasians and Europeans	1	...	...	...	1	
Total ...	27	1	7	...	35	
Diploma Course, Total ...	48	6	15	...	69	
VERNACULAR "SALUTRI" CERTIFICATE COURSE.						
Class B.						
Hindus	...	3	...	26	29	
Mahomedans	...	1	...	1	2	
Total ...	...	4	...	27	31	
Class A.						
Hindus	...	2	...	32	34	
Mahomedans	...	1	...	1	2	
Total ...	...	3	..	33	36	
Salutri Course, Total ...	...	7	...	60	67	
Diploma and Salutri Courses, Grand Total ..	48	13	15	60	136	

K. HEWLETT, I. C. V. D.,
Acting Principal, Bombay Veterinary College.

30th April 1903.

APPENDIX D.

Financial Statement of the Bombay Veterinary College for 1902-1903.

Budget Sanction.						Actual Expenditure.					
Heads.	1901-1902.			1902-1903.		Heads.	1901-1902.			1902-1903.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—						Teaching Staff	32,152	10	10	31,177	8 10
Teaching Staff	31,470	0	0	32,918	0 0	Establishment	2,400	0	0	2,274	11 4
Establishment	2,400	0	0	2,400	0 0	Contingent Expenditure ...	1,256	11	0	1,293	13 4
Contingent Expenditure ...	1,228	0	0	1,228	0 0	Scholarships	1,033	7	0	1,402	13 11
Scholarships	1,800	0	0	1,800	0 0	Chemicals, etc.	44	0	0	154	15 0
Chemicals	200	0	0	200	0 0	Riding Fees	288	0	0	288	0 0
Examiners' Fees	300	0	0	300	0 0	House Rent Allowance	1,404	0	0	1,400	7 5
House Rent Allowance ...	1,440	0	0	720	0 0	Travelling Allowance to Officers.	111	0	0	269	9 7
Books, Periodicals, etc. ...	438	0	0	438	0 0	Furniture and Apparatus ...	383	14	0	277	11 0
Travelling Allowance to Officers	200	0	0	200	0 0	Buildings and Repairs	1,131	14	3	435	15 6
Furniture and Apparatus ...	394	0	0	394	0 0	Books and Periodicals	200	10	1	392	2 8
Buildings and Repairs... ...	1,132	0	0	443	0 0	Honorarium to three Assistant Veterinary Officers	900	0	0	825	0 0
Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0	Rates and Taxes	74	4	11	87	13 1
Charges for Instruction in Dairy Work, Cattle, etc. ...	500	0	0	500	0 0	Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
Rates and Taxes	82	0	0	82	0 0	Grain Compensation Allowance...	198	0	0	0	4 0
Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0	Examiners' Fees	.....			416	0 0
Riding Fees	300	0	0	300	0 0	Total ...	41,758	8	1	40,876	13 8
Total ...	42,964	0	0	43,003	0 0						

Statement of Receipts on account of the College credited to Government.

Heads.	1901-1902.			1902-1903.	
	Rs.	a.	p.	Rs.	a. p.
Municipal contribution	2,500	0	0	2,500	0 0
Fees from students	1,785	0	0	2,640	0 0
Rent of students' quarters	140	0	0	142	0 0

K. HEWLETT, I. C. V. D.,
Acting Principal, Bombay Veterinary College.

15th May 1903.

LIBRARY OF THE ROYAL BOMBAY BRANCH OF THE SOCIETY

Educational Department.
No. 1626

Bombay Castle,
13th August 1903.

Letter from the Director of Public Instruction, No. 2712, dated the 29th June 1903.

"I have the honour to forward herewith the Report of the Veterinary College, Parel, for the year 1902-1903. I append also a letter from the Director of Land Records and Agriculture reviewing the Report.

"2. The main features of the year are the large increase in attendance in the College Classes and the high percentage of success obtained in the annual examination of those classes. In this connection it is satisfactory to note that the Principal is of opinion that better men have joined the College since the new scheme of scholarships has come into force.

"3. Mr. Lawrence remarks on the large number of students in the College Classes and the consequent strain on the teaching staff, and suggests a higher entrance test. I think this may well be considered should the present large attendance be maintained, and the Principal might be asked to report on the suggestion hereafter.

"4. The Salutri classes have received adverse criticism from the Examining Board, and I concur with Mr. Lawrence's remarks as to them and his suggestions for the improvement of the prospects of the passed students in the future. At present they do not readily obtain employment, and paragraph 4 of the Report shows that out of 38 who have passed 17 only have received appointments.

"5. The graduates, on the other hand, appear generally to secure suitable employment, and it is noticeable that when five appointments on Rs. 50 per mensem rising to Rs. 75 were offered from Madras, no graduates were found willing to accept them. Perhaps, if the material of the Salutri classes improves, these men may be found ultimately fit for places which the College graduates disdain.

"6. The College has apparently been successfully administered during the year."

Letter from the Director of Land Records and Agriculture to the Director of Public Instruction, No. A.—2651, dated the 16th June 1903.

"I have the honour to return the report forwarded with your letter No. 2029, dated the 5th instant.

"2. In regard to the Graduate Class the increase of students is no doubt a satisfactory sign of the increasing popularity of the course, and the percentage of passes, 75, is very high. I am inclined, however, to think that the teaching of 69 students imposes too heavy a strain on the staff of the College, and that it would be more satisfactory to raise the standard both of admittance to the College and of the examination tests with the twofold object of increasing the efficiency of the graduate turned out and securing for him a better chance of an adequate livelihood. In 1889 it was proposed to require a Matriculation certificate to enable entrance into the College, but the proposal was rejected on the ground of the then difficulty of obtaining students. Since this difficulty no longer exists, I would suggest the revision of Rule 9 of the College rules and the acceptance of such candidates only as have matriculated.

"3. In regard to Salutris the opinion of the Board of Examiners submitted in December last was very adverse. The efficiency of these men largely depends on their prospects of employment, and at present their prospects are very poor.

"4. The Principal hopes for an increase of the Veterinary establishment of District Local Boards, but in their present financial condition no such increase is likely to be made. It would, however, be a step in the right direction if Local Boards would substitute Salutris on Rs. 20 to 30 for their present untrained compounders who usually receive some Rs. 10 to 12, and I am issuing a circular to invite the attention of District Local Boards to paragraph 1 (*d*) of Government Resolution, Revenue Department, No. 4231 of 19th June 1899, and to ask them if they are willing to adopt this suggestion.

"5. The Police Department also should, in certain districts, find these men of use, and I would suggest that the Principal of the Bombay Veterinary College be authorised to communicate direct with the Inspector General of Police with a view to the provision of such employment."

RESOLUTION.—His Excellency the Governor in Council agrees with the Director of Public Instruction in thinking that the College was successfully administered during the year, and notes with satisfaction the increased attendance in the Diploma class. The percentage of passes also is creditable, and that of first class men very good in the second year's Salutri class. If the existing standard is maintained, the College will turn out a very substantial number of diplomates and trained veterinarians every year, with every prospect of ultimate advantage to the people, by diffusion of knowledge of rational and scientific treatment and care of animals useful for agricultural purposes.

2. With reference to paragraph 3 of the Director of Public Instruction's letter, the Principal of the College should be requested to report at the end of the current year on the suggestion made by the Director of Land Records and Agriculture, if he finds that the present large attendance at the College is maintained.

3. The Principal should, as suggested by Mr. Lawrence, communicate direct with the Inspector General of Police and the Commissioner in Sind as regards the employment of Salutris in the Police Department.

A. M. T. JACKSON,
Acting Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department,
The Agent to the Governor, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Agent, Sávantvádi,
The Political Agent, Pálanpur,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department,
The Revenue Department,
The Sanitary Commissioner for the Government of Bombay,
The Deputy Adjutant General, Bombay Command, Poona,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum,
The Editors' Table, Karáchi,
The Municipal Commissioner for the City of Bombay.

} With copies of the Report.

The Superintendent, Government Central Press,
(With a request that the copies of the Report required by this Department may be sent as soon as possible.)

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Librarian, Imperial Library, Metcalfe Hall, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1903-1904.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

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1904.

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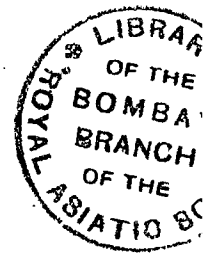
REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1903-1904.



II - 11
Examination Copy

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1904.

No. 736 of 1904.

Bombay Veterinary College,
Parel, 25th May 1904.

From

THE PRINCIPAL,
Bombay Veterinary College;

To

THE DIRECTOR OF PUBLIC INSTRUCTION,
Bombay Presidency,
Poona.

SIR,

I have the honour to submit the Eighteenth Annual Report of the Bombay Veterinary College, dealing with its administration during the official year 1903-1904. A brief outline of the duties performed in connection with the Bai Sakarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1903 is embodied in the report.

Professional Examinations.

2. The Examinations commenced on the 7th December and lasted till the 17th of the same month, when the results were declared (*vide* Appendix A) and prizes awarded.

The following gentlemen formed the Board of Examiners:—

President.

Major F. Joslen, I. C. V. D., Superintendent, Civil Veterinary Department, Bombay Presidency.

Members.

Major H. T. Pease, I. C. V. D., Principal, Punjab Veterinary College, and in charge Office of Inspector-General, Civil Veterinary Department.

Captain J. Farmer, I. C. V. D., Superintendent, Government Cattle Farm, Hissar.

From Appendix A, it will be seen that from the three College classes, out of 61 candidates that presented themselves, 43 passed, a percentage of 70·49 as against 75·00 and 54·54 in 1902 and 1901, respectively. This year a larger number of students presented themselves and passed although the percentage of passes is a little lower than that of the last year. I consider the results satisfactory.

The Board also examined the students of the Second (Final) year of the Salutri Course and the teachers of the College conducted the First Examination of the same course. Out of 60 students that presented themselves, 38 passed, a percentage of 63·33 as against 71·64 and 79·63 in 1902 and 1901, respectively. The results of these examinations will be found in Appendix A, together with those of the Diploma Course.

The Board of Examiners considered the results of the Final Examination of the Salutri Course unsatisfactory. This they attributed to the number of students being too large. I have, therefore, recommended that the number of admissions to this course should be limited to 20 men.

The Board also recommended the abolition of the Salutri Course on the ground that there was little demand for the men who passed. I have, however, represented to Government that it is altogether premature to make any recommendation for the abolition of the course as sufficient time has not elapsed to prove conclusively that the men that have passed out are a failure, or that there is no demand for their services.

It has been decided that the First Year's Examination of this course should be conducted by the College staff.

Information relating to students.

3. At the beginning of the year there were 69 students on the rolls of the Diploma Course. There were 25 new entries during the year as against 32 and 26 in 1902-1903 and 1901-1902, respectively. Out of these 24 joined Class A and 1, an old student, rejoined Class B.

Twenty-six students left the College. Out of these, 8 passed the Diploma Examination and 4, who were unsuccesful, left Class C. One student from Class B died of plague, and 2 left the College, one of them with a view to join the Madras Veterinary College. Eleven students left Class A, out of which 4 were Government scholars; one of these left as he was deprived of his scholarship, having failed at the examination, 1 on account of continued illness, 1 soon after he was nominated a scholar and 1 was dismissed for irregularity in attendance. Out of the 7 private students, who left Class A, one joined the Madras Veterinary College and the rest left on account of their inability to continue the course. The number of students at the close of the official year stood at 68 as against 69 and 46 in 1902-1903 and 1901-1902, respectively (*vide* Appendix B).

It was proposed to raise the standard of admission to the Matriculation and School Final Examinations. But both the Principal and the Acting Principal have represented that the number of such men who join every year is not sufficiently large to restrict admissions in this direction. In 1901, 1902, 1903 and 1904, the number of such men, who joined, was 3, 4, 4 and 6, respectively, although, with a view to induce better men to join, fifteen scholarships of Rs. 10 each, tenable for three years with a free education, have been established. With regard to this question the late Major W. R. Hagger said :—" For some reason, I do not know why, the College or the profession is unpopular with the class of men we want, and as much as I should like to see the standard of the Entrance Examination raised, I am afraid it would be found inexpedient to make any change at present." With these views I concur.

There were altogether 15 Government scholars on the list in January 1903 : out of these 4 passed the Diploma Examination, one was deprived of his scholarship as he failed at the Second Professional, and 2 as they failed at the First Professional and one left on account of continued illness. The vacancies thus caused were filled up in January 1904. Out of the new scholars, one left soon after having been selected, and one was dismissed on account of irregular attendance as stated above.

Under Rule 11 of the College Rules and Regulations, the Collectors of Kaira, Broach, Dhárwár, Sátára, Thána and Ahmednagar were asked to recommend candidates for Government scholarships and the Head Masters of different High Schools in the districts were also informed. The fact of candidates required for these scholarships was also freely advertised in the vernacular newspapers. Twenty-nine candidates presented themselves at the College for competition from different districts, out of which 12 were Matriculates or School Final men. Of the 8 scholars selected, 5 were Matriculates or School Final men.

Out of the 24 students that joined Class A, 17 belonged to the Bombay Presidency, 5 to Native States in the Bombay Presidency, and one each to Mysore State and the Central Provinces.

Appendix C shows the different nationalities of students on the Diploma Course rolls at the end of the year.

In the new admissions to Class A, there were 18 Hindus, 2 Pársis, 1 Mahomedan, 2 Native Christians and 1 European or Eurasian.

The Lingáyat Educational Fund Committee of Dhárwár have sent a student during the year.

The Umballa Conference held in 1900 changed the curriculum of the College and brought it down on a level with other Veterinary Institutions in India. A uniform change in the curriculum has again been suggested, and is still under consideration.

At the beginning of the year, there were 67 students on the rolls of the Salutri Certificate Course. Twenty-six students joined during the year as against 31 and 42 in 1902-1903 and 1901-1902, respectively. The number of students at the end of the year was 49.

Forty-four students left during the year, out of this number, 27 were of Class B—17 on passing the Salutri Certificate Examination and 10 having failed. Seventeen left Class A; the majority of them because they failed at the First Examination.

Four students who rejoined in the middle of the year and passed the Salutri Certificate Examination have not been shown in Appendix B.

Out of 26 students that joined during the year, 12 belonged to the Bombay Presidency, 7 to Native States in the Bombay Presidency, 4 to Berars and 3 to the Gwalior State.

Appendix C shows the different nationalities of students attending the Salutri Certificate Course.

In the new admissions there were 18 Hindus and 8 Mahomedans.

The Local Boards of Dhárwár and Poona have each sent a student during the year for this course. Also 4 men from the Imperial Service Troops, Gwalior, and one man from Braoda State have been sent.

The vernacular text-books have been sent to the press and will, it is hoped, be ready for use of the students during the year.

The attendance of students was satisfactory.

The holding of the Entrance Tests for both the courses on the 4th January was advertised in the newspapers, and many inquiries were made by young men with a view to join here. But only 62 candidates presented themselves for admission to the Diploma course and 45 for the Salutri course. Out of the former, 16 were not allowed to join because they failed at the Entrance Test and 7 being physically unfit. Five of those who passed the Entrance Test and 10 who were Matriculates and School Final men did not join—either because they did not succeed in obtaining scholarships or because they only came to make inquiries and decided not to join.

Out of those that presented themselves for admission to the Salutri course 19 were rejected being physically unfit and one for want of sufficient education.

A Lance Naik of the Supply and Transport Department, Bombay District, went through a course of shoeing.

Employment of Graduates and Salutris.

4. Eight students passed the Diploma Examination in December last. Out of these, one was appointed in charge of the Veterinary Dispensary at Poona, one at Lárkhána and three are Assistant Veterinary Officers at the College.

From the Graduates who passed in the previous years, one was appointed as Veterinary Inspector in the State of Negri Sembilan of the Federated Malay States on a salary of £120 rising to £180 per annum.

On the opening of the Madras Veterinary College, a Graduate, holding the appointment of Veterinary Overseer at Babugarh, was appointed Assistant Principal of the College on a salary of Rs. 200—250 and free quarters, and a Graduate, who was a private practitioner at Madras, obtained a Lectureship there on a salary of Rs. 120—200. One Graduate obtained the appointment of Lecturer at the Pusa Agricultural College on Rs. 200—250. Two Graduates have been employed as Sanitary Inspectors under the Bombay Municipality.

Applications for the services of a Graduate to be appointed as Veterinary Inspector in Assam on emoluments amounting to Rs. 210 per mensem, and for the appointment of a Meat Inspector in the Bombay Municipality on Rs. 120, with Rs. 30 allowance, have been received.

Only one appointment which can be filled up by a Graduate was created during the year by the District Local Boards and as yet there is no hope of new appointments being created by them.

During the last 15 years altogether 139 men passed out as Graduates from this College. Of these, 15 are in private practice, 6 have left the profession, the particulars of 2 are unknown, and 10 have died, and the rest are in employment under various Governments, Local Boards and Native States. Out of these, 15 are drawing pay (including allowances) of Rs. 200 or above and 37 from Rs. 100 to Rs. 200. Five Graduates are unemployed.

Out of 21 Salutris that passed during the year, 2 sent by the Hosur Remount Depôt to undergo training, one sent by the District Local Board, Khándesh, and one by the Ahmednagar Remount Depôt have obtained employment under the authorities who sent them. One is appointed as Junior Veterinary Assistant in the Indore Imperial Service Troops, one as Salutri in the Wadhwán State, and 4 have been sent on active service with the Sikkim Tibet Expedition as Veterinary Duffedars and 11 are unemployed.

Out of 38 Salutris that passed during the years 1902 and 1901, 9 are still unemployed, thus making a total of 20 Salutris unemployed.

The Director of Land Records and Agriculture having impressed upon certain Collectors the necessity of replacing the unqualified compounders in Veterinary Dispensaries by Salutris on a pay of Rs. 20—30, enquiries were made for their services by the District Local Boards of Karáchi, Lárkhána, Hyderabad, Ratnágiri and Surat, but only one of them has actually entertained the services of a Salutri.

The Commissioner in Sind and the Inspector-General of Police were addressed as regards the employment of Salutris in the Police Department. From the replies received, there is no hope of getting employment for these men under the latter officer, but there is a chance of obtaining appointments for some of them in Sind as second grade Mounted Constables on a salary of Rs. 22 with Rs. 10 horse allowance.

On enquiries having been made of the Deputy Adjutant-General, Bombay Command, as to why no demand was made for our Salutris except for active service, the Principal was informed that the chances for employment of these men in the Bombay Command during the year were *nil*, and that no Salutris are sanctioned for cavalry regiments, Sowárs having been granted an allowance from Rs. 3 to 7 to perform the duties of a farrier; but there are 25 appointments of Veterinary Duffedars sanctioned for the Transport Corps. Men for these appointments, if required, are obtained through the Inspector-General, Civil Veterinary Department.

Extra Duties.

5. (*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Inspected horses in Bombay and Bándra Stables, at the Harbour and Sewri Lazaretto.

(*c*) Treated sick animals for the Commissariat Department.

(*d*) Performed the duties of receiving and despatching stallions imported for the Superintendent, Government Cattle Farm, Hissar.

(*e*) Advised the Commissioner of Police regarding the purchase and casting of horses.

(*f*) Major Hagger acted as Examiner in Veterinary Science at the Examinations in Agriculture of the Bombay University.

(*g*) The Instructors to the Salutri Course assisted by the teaching staff of the College compiled 3 text-books for that course.

Teaching Staff.

6. Mr. K. Hewlett, Assistant Principal, acted as Principal in addition to his own duties up to 25th June when he was relieved by the late Major W. R. Hagger, I. C. V. D., who held the appointment till the 2nd of December, on which date he died. I took charge of the appointment on my return from furlough on the 5th of the same month.

Mr. K. Hewlett passed the Higher Standard Examination in Urdu.

A proposal has been submitted to Government to create the appointment of a Professor of Bovine Pathology and Management of Cattle and I trust that this proposal will meet with their approval. It has been also proposed to raise the pay of the two Assistant Professors to Rs. 250 each.

The Teaching Staff both of the College and Salutri course performed their duties to my entire satisfaction.

It is with profound sorrow that I have to record the death of Major W. R. Hagger, I. C. V. D., who was acting for me during my absence on furlough. He succumbed to abscess of the liver. During the brief period he served here he was much liked both by teachers and students.

Branches of Study.

7. *Anatomy.*—Twenty-five subjects were obtained for dissection this year as against 18 and 19 in 1902-1903 and 1901-1902, respectively.

Physical training.

8. As usual, lessons in riding were given to the senior students of the Diploma and Salutri courses at His Excellency the Governor's Body Guard Menagé, Chowpati. Salutri students went through a course of drill under Staff Sergeant Farrier Town, Instructor in Shoeing. Cricket and other games were also played by students under the auspices of the College Gymkhana.

Museum and Library.

9. Additions to the Museum and Library were made during the year.

Donors of prizes.

10. Sir Dinshaw Maneckji Petit, Bart., and the Bayley Memorial Fund Committee should be thanked for the contributions made by them to the prize fund.

Visitors.

11. The following gentlemen visited the College and Hospital during the year:—

H. S. Lawrence, Esq., I. C. S., Director of Land Records and Agriculture.

The Honourable Mr. E. Giles, Director of Public Instruction.

Colonel J. W. A. Morgan, Inspector-General, Civil Veterinary Department.

J. Mollison, Esq., Inspector-General of Agriculture.

The Director of Land Records and Agriculture, Punjáb.

The Director of Land Records and Agriculture, Madras.

The Director of Land Records and Agriculture, Central Provinces and Berár.

Hospital.

12. The records of the hospital give the following information relative to patients, etc.:—

(*a*) *In-patients.*—2,532 were admitted in 1903 as against 2,618 and 1,642 in 1902 and 1901, respectively, showing a decrease of 86 over the last year.

The various classes of animals admitted were as follows:—Horses 638, cattle 1,547, and dogs 347. The daily average was 200, showing a decrease of 4 when compared with that of the last year.

(*b*) *Out-patients.*—604 were treated in 1903 as against 659 and 718 in 1902 and 1901, respectively, giving a decrease of 55 when compared with the previous year.

(*c*) *Mortality.*—The mortality in horses for 1903 was at the rate of 2·98 per cent., in cattle 2·19 per cent., and in dogs 30·26 per cent., as against 4·07 per cent., 2·54 per cent., and 27·27 per cent., respectively, in 1902, and 7·94 per cent., 5·51 per cent., and 36·68 per cent., respectively, in 1901.

(*d*) The number of operations performed during the year was 354.

Mr. K. M. Shroff, Secretary, Society for the Prevention of Cruelty to Animals and the Bai Sakarbai Dinshaw Petit Hospital for Animals, fell a victim

to abscess of the liver in April last. His death was a serious loss both to the Society and the Hospital.

13. As the Committee, consisting of the Executive Engineer, Presidency, Bombay, Mr. Vijbhukandas Atmaram, a Member of the Society for the Prevention of Cruelty to Animals, and myself, appointed by Government, have recommended a suitable site for erecting students' quarters, it is hoped that no delay will take place in erecting them. The Executive Engineer, Presidency, has been requested to obtain a special grant for the thorough repair of the College buildings which are extremely old and in much need of an overhaul.

14. The pay of Mr. V. B. Phatak, Head Clerk, was raised to Rs. 75. The work of the office of the College and the Glanders and Farcy Department was performed satisfactorily.

Office.

15. Appendix D is the financial statement for the year under report.

I have the honour to be,

Sir,

Your most obedient Servant,

J. BRODIE-MILLS, Lieut.-Colonel, I.C.V.D.,

Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Professional Examinations, December 1903.

Examinations.	First Class.	Pass.	Total Candidates		Percentage of Passes.
			Examined.	Passed.	
Diploma Course.					
First Professional	8	13	30	21	70·00
Second Professional	4	10	18	14	77·77
Third Professional	4	4	13	8	61·54
Total ...	16	27	61	43	70·49
Vernacular "Salutri" Certificate Course.					
First Professional	...	17	25	17	68·00
Second Professional	9	12	35	21	60·00
Total ...	9	29	60	38	63·33
Grand Total ...	25	56	121	81	66·94

APPENDIX B.

BOMBAY VETERINARY COLLEGE.

Return showing Changes in the Number of Students in 1903-1904.

Class.	Number of Students on 1st April 1903.	Withdrawn.		Entries.		Number of Students on 31st March 1904.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Diploma Course.							
Class C	14	*12	...	...	14	16	*8 Graduated.
Do. B	20	3	14	†1	21	25	†An old student who rejoined.
Do. A	35	11	21	24	...	27	
Diploma Course, Total .	69	26	35	25	35	68	
Vernacular "Salutri" Certificate Course.							
Class B	31	27	...	...	17	21	
Do. A	36	17	17	*26	...	28	*One of these was an old student who rejoined.
Salutri Course, Total ...	67	44	17	26	17	49	
Diploma and Salutri Courses, Grand Total.	136	70	52	51	52	117	

J. BRODIE-MILLS, Lieut.-Colonel, I. C. V. D.,
Principal, Bombay Veterinary College.

Parel, Bombay, 25th May 1904.

APPENDIX C.

Bombay Veterinary College.

Return showing the Number and Nationality of Students for the year 1903-1904.

Caste.	Paying.	Native States, Local Boards and Municipalities.	Government Scholars.	Government free.	Total.	Remarks.
DIPLOMA COURSE.						
Class C.						
Hindus	9	2	3	...	14	
Pársis	1	...	...	...	1	
Budhists	...	1	..	...	1	
Total ...	10	3	3	...	16	
Class B.						
Pársis	3	...	1	...	4	
Hindus	11	2	3	..	16	
Europeans and Eurasians	1	...	...	...	1	
Native Christians	3	...	...	...	3	
Budhists	1	...	...	...	1	
Total ...	19	2	4	...	25	
Class A.						
Hindus	14	1	5	...	20	
Mahomedans	1	...	...	...	1	
Pársis	1	...	1	...	2	
Native Christians	3	...	...	...	3	
Europeans and Eurasians	1	...	...	...	1	
Total ...	20	1	6	...	27	
Diploma Course, Total ...	49	6	13	...	68	
VERNACULAR "SALUTRI" CERTIFICATE COURSE.						
Class B.						
Hindus	...	2	...	18	20	
Mahomedans	...	...	..	1	1	
Total ...	...	2	...	19	21	
Class A.						
Hindus	...	4	...	16	20	
Mahomedans	...	3	..	5	8	
Total ...	...	7	...	21	28	
Salutri Course, Total ...	...	9	..	40	49	
Diploma and Salutri Courses, Grand Total ...	49	15	13	40	117	

J. BRODIE-MILLS, Lieut.-Col., I. C. V. D.,
Principal, Bombay Veterinary College.

Parel, Bombay, 25th May 1904.

APPENDIX D.

Financial Statement of the Bombay Veterinary College for 1903-1904.

Budget Sanction.						Actual Expenditure.					
Heads.	1902-1903.			1903-1904.		Heads.	1902-1903.			1903-1904.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—						Teaching Staff	31,177	8	10	30,054	7 1
Teaching Staff	32,918	0	0	36,263	0 0						
Establishment	2,400	0	0	2,580	0 0	Establishment	2,274	11	4	2,503	10 1
Contingent Expenditure ...	1,228	0	0	1,228	0 0	Contingent Expenditure ...	1,293	13	4	1,232	7 5
Scholarships	1,800	0	0	1,800	0 0						
Chemicals	200	0	0	200	0 0	Scholarships	1,402	13	11	1,709	7 5
Examiners' Fees	300	0	0	300	0 0	Chemicals, etc.	154	15	0	201	11 6
House Rent Allowance ...	720	0	0	1,440	0 0						
Books, Periodicals, etc. ...	438	0	0	450	0 0	Riding Fees	288	0	0	288	0 0
Travelling Allowance to Officers	200	0	0	200	0 0	House Rent Allowance	1,400	7	5	1,257	4 6
Furniture and Apparatus ...	394	0	0	394	0 0	Travelling Allowance to Officers.	269	9	7	35	0 0
Buildings and Repairs... ...	443	0	0	390	0 0						
Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0	Furniture and Apparatus ...	277	11	0	156	4 0
Charges for Instruction in Dairy Work, Cattle, etc. ...	500	0	0	500	0 0	Buildings and Repairs	435	15	6	402	0 0
Rates and Taxes	82	0	0	82	0 0	Books and Periodicals	392	2	8	373	4 9
Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0	Honorarium to three Assistant Veterinary Officers	825	0	0	900	0 0
Riding Fees	300	0	0	300	0 0	Rates and Taxes	87	13	1	87	13 1
						Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
						Grain Compensation Allowance...	0	4	0	.....	
						Examiners' Fees	416	0	0	.....	
Total ...	43,003	0	0	47,207	0 0	Total ...	40,876	13	8	39,381	5 10

Statement of Receipts on account of the College credited to Government.

Heads.	1902-1903.			1903-1904.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal contribution	2,500	0	0	2,500	0	0
Fees from students	2,640	0	0	3,120	0	0
Rent of students' quarters	142	0	0	144	0	0

J. BRODIE-MILLS, Lieut.-Col., I. C. V. D,
Principal, Bombay Veterinary College.

Parel, Bombay, 25th May 1904.

Educational Department.
No. 1534

Bombay Castle,
20th August 1904.

Letter from the Director of Public Instruction, No. 3408, dated the 11th July 1904.

"I have the honour to forward herewith the Annual Report of the Veterinary College, Parel, for the year 1903-04, and to forward also a letter from the Director, Land Records and Agriculture, reviewing the report. Referring to paragraph 2 of that letter I may state that proposals for the appointment of a Professor of Bovine Pathology and for the readjustment of the superior native staff of the College will be laid before Government immediately.

"2. I have discussed in another letter No. 749 of April 21st, 1904, the examination results of the year and the limitation of the numbers in the Salutri course. The question of raising the standard of admission to the diploma course has also been dealt with in another letter No. 279 of April 9th, 1904.

"3. While the graduates of the College appear to find no particular difficulty in obtaining posts (see paragraph 4 of the report), the prospects of employment for the Salutris are not so good, and it appears that out of 59 who have passed the course 20 are unemployed. It is satisfactory, however, to note that four have gone on active service to Tibet as Veterinary Duffadars. If these men turn out well and do good service, there will presumably be an opening for them in the case of future military operations. I may note also in connection with this Salutri Class that its influence seems to be spreading, for out of the 26 who joined this year seven came from outside the Presidency. The deputation of four men from the Gwalior Imperial Service troops to the class is a hopeful incident.

"4. The death of Major Hagger, while Acting Principal of the College, was much regretted by all who knew him. He took a deep interest in the College and the students.

"5. During the year the condition of the College, its equipment, the status of the students and the suitability of the curricula have been the subject of much discussion and if this results in improved buildings, a strengthened staff and a superior class of students, much will have been gained. In the meantime I would record my opinion in concurrence with the Director, Land Records and Agriculture, that the administration of the College has been satisfactory during the year, and that the late Acting Principal, the Principal and the staff have worked with zeal and energy in the discharge of their duties."

Letter from the Director of Land Records and Agriculture to the Director of Public Instruction, No. A.—3895, dated the 5th July 1904.

"I have the honour to return the report forwarded with your letter No. 2778, dated the 20th ultimo.

"2. The administration of the College appears to have been satisfactory. If the proposals under consideration for the strengthening of the College Staff by the appointment of a Professor of Bovine Pathology be sanctioned, the staff may be considered adequate for the instruction of some 75 boys in the three years of the diploma course.

"2A. I have elsewhere stated my agreement in your conclusion that it is as yet premature to require all students to have passed the Matriculation or the School Final Examination.

"3. In regard to the Salutri course I concur in the suggestion that the maximum number of students in the two years should be limited to 40. I have been in correspondence with District Local Boards regarding the employment of Salutris as compounders in Veterinary Dispensaries. Most of these bodies are naturally unwilling to turn off their existing employés, but some have agreed to send these men to be trained in the Salutri course and meanwhile to appoint Salutris as their substitutes.

"4. A serious obstacle to their employment in these posts is the fact that compounders do the clerical work of the dispensaries and that most dispensaries appear to keep their registers in English. For this work the Salutri is generally unfitted."

RESOLUTION.—Government concur with the Director of Public Instruction and the Director of Land Records and Agriculture in thinking that the College has been satisfactorily administered. The readiness with which the graduates of the College are employed is valuable testimony to the efficiency of the instruction afforded. His Excellency the Governor in Council trusts that efforts made to obtain employment for Salutris will bear fruit. The class has existed for three years only, and sufficient time has hardly elapsed for the value of the training given to be fully appreciated. The employment of all but nine who passed in 1901 and 1902 and of 10 out of 21 who received their certificates in

December 1903 cannot, in the opinion of His Excellency the Governor in Council, be considered unsatisfactory. The question of limiting the number of students admitted to the Salutri Class and the other questions referred to in paragraphs 2 and 5 of the Director of Public Instruction's review are at present engaging the attention of Government.

2. The negotiations with the Society for the Prevention of Cruelty to Animals for the lease of a site required for the construction of residential quarters for students of the College have been satisfactorily concluded. The draft lease and plans and estimates are being prepared and the work will be taken in hand as soon as funds permit.

J. SLADEN,
Acting Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
The Political Department,
The Agent to the Governor, Káthiáwár,
The Political Agent, Cutch,
The Political Agent, Kolhápur and Southern Marátha Country,
The Political Agent, Mahi Kántha,
The Political Agent, Rewa Kántha,
The Political Agent, Sávantvádi,
The Political Agent, Pálanpur,
The Political Resident, Aden,
The Superintendent, Civil Veterinary Department,
The Director of Land Records and Agriculture,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department,
The Revenue Department,
The Public Works Department,
The Sanitary Commissioner for the Government of Bombay,
The Deputy Adjutant General, Bombay Command, Poona,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dhárwár Vritta* (for his own use and for circulation to other Editors of newspapers in Dhárwár),
The Editors' Table, Belgaum,
The Editors' Table, Karáchi,
The Municipal Commissioner for the City of Bombay.

} With copies of the report.

The Superintendent, Government Central Press,
(With a request that the copies of the report required by this Department may be sent as soon as possible.)

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India,
The Librarian, Imperial Library, Metcalfe Hall, Calcutta,
The Reporter on Economic Products to the Government of India.

} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1904-1905.

BOMBAY:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1905.

[Indian Price—3 Annas.]
[English Price—3 Pence.]

OFFICIAL AGENTS FOR THE SALE OF INDIAN OFFICIAL PUBLICATIONS.

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REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1904-1905.

II-11
Ground flow C

BOMBAY:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1905.

No. 585 of 1905.

Bombay Veterinary College,
Parel, 19th May 1905.

From

THE PRINCIPAL,
Bombay Veterinary College;

To

THE DIRECTOR OF PUBLIC INSTRUCTION,
Bombay Presidency,
Poona.

Sir,

I have the honour to submit the Nineteenth Annual Report of the Bombay Veterinary College, dealing with its administration during the official year 1904-1905. A brief outline of the duties performed in connection with the Bai Sakarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1904 is embodied in the report.

Professional Examinations.

2. According to the rules of the College there should have been a Board of three officers to conduct the Professional Examinations, but as no third officer was available, the examinations were conducted by the two following officers, which necessitated the examinations being much longer than usual :—

President.

Major F. Joslen, I. C. V. D., Superintendent, Civil Veterinary Department, Bombay Presidency.

Member.

Captain W. O. Dawson, I. C. V. D., Superintendent, Civil Veterinary Department, Rájputána.

The examinations commenced on the 1st December and lasted till the 19th of the same month, when the results were declared (*vide* Appendix A) and prizes awarded.

From the appendix it will be observed that, of the three College classes, out of 66 candidates that presented themselves for examination 49 passed, a percentage of 74·24 as against 70·49 and 75·00 in 1903 and 1902, respectively. This year also a larger number of students presented themselves for examination with a higher percentage of passes than in the last year.

The Board also examined the students of the second (final) year of the Salutri Course, and the Teachers of the College conducted the first examination. Out of 43 students that presented themselves, 42 passed, a percentage of 97·67 as against 63·33 and 71·64 in 1903 and 1902, respectively. The results of these examinations will be found in Appendix A together with those of the Diploma Course.

Information relating to students.

3. At the beginning of the year there were 68 students on the rolls of the Diploma Course. There were 41 new entries during the year as against 25 and 32 in 1903-1904 and 1902-1903, respectively. Out of these, 38 joined Class A, 2 Hospital Assistants joined Class B under Rule 17 of the College and 1 passed Veterinary Assistant of the Rájputána Veterinary School joined Class C under Rule 18.

Twenty-three students left the College. Out of these, 13 passed the Diploma Examination, and 1, who was unsuccessful, left Class C. Two left Class B, 1 of them because he failed at the examination and could not continue the course. One student from Class A was dismissed for disobedience, 1 died of plague and 5 left. Out of these 1 left on account of sickness and 3 on account of their inability to prosecute their studies after having failed at the first Professional Examination. The number of students at the close of the official year stood at 86 as against 68 and 69 in 1903-1904 and 1902-1903,

respectively—*vide* Appendix B. Of 3 old students who rejoined Class C, 2 obtained diplomas and 1 failed and again left. These men are not shown in the appendix.

There were 15 men on the list of Government scholars in January 1904. Out of these 3 passed the Diploma Examination, 1 was deprived of his scholarship because he failed to pass the second Professional, and 1 on account of continued absence and 1 ceased to attend shortly after joining. For the vacancies thus caused, 10 out of those who presented themselves as candidates for Government scholarships were allowed to join, but only 8 actually remained. These men were thoroughly tested as to their aptitude for veterinary work, and 6 of them were finally selected on the 23rd February by the Committee.

Under Rule 11 of the College Rules and Regulations the Collectors of Ratnágiri, Belgaum, Kolába, Bijápur, Ahmedabad, Panch Maháls and Poona were asked to recommend candidates for scholarships and the Head Masters of different High Schools in the districts were also informed. The fact of candidates required for these scholarships was also advertised in the Vernacular newspapers. Out of the 10 men allowed to join, 8 were from the districts asked to recommend candidates—3 from Poona, 2 from Ratnágiri, 1 from Kolába, 1 from Belgaum, and 1 from Panch Maháls. One was recommended by the Collector of Surat and was a private student from Pálanpur. Out of the 6 who were finally selected, 2 are from Poona, 1 from Belgaum, 1 from Panch Maháls, 1 from Surat and 1 a private student. Thirty candidates presented themselves for competition, out of which 17 were Matriculates or School Final men. Of the 6 scholars selected, 4 were Matriculates or School Final men.

Out of the 41 students that joined, 18 belonged to the Bombay Presidency, 1 to the Panjáb, 3 to Madras, 4 to Travancore and 6 to Mysore. Appendix C shows the different nationalities of students on the Diploma Course rolls at the end of the year.

In the new admissions there is 1 student sent by the Lingáyat Education Committee Fund, Dhárwár, and 7 from Native States—2 from Jánjira, 1 from Baroda, 3 from Mysore, and 1 from Kolhápur.

The holding of the Entrance Test on the 4th January was advertised in the newspapers and a number of inquiries were made by students seeking admission, but only 97 presented themselves, 37 being Matriculates or School Final men. Out of 97 one was admitted in Class C and 2 in Class B under concession. Out of the remaining 94, 8 Matriculates or School Final men and 30 who passed the College Entrance Test joined Class A. Nine were not allowed to join because they failed in the test, and 3 unqualified men and 5 Matriculates or School Final men were rejected on account of physical unfitness. Nine did not join although they passed the Entrance Test. Twenty-four Matriculates and 6 unqualified men either came with a hope to secure a scholarship or obtain information regarding the College.

At the beginning of the year there were 49 students on the rolls of the Salutri Certificate Course. Out of this number, 21 were in Class B. From this number 18 passed the Salutri Certificate Examination and 1 died of plague. Twenty students, having passed the first examination, joined Class B and 2 old students rejoined the class, making up a total of 24 at the end of the year—*vide* Appendix B.

In the middle of the year 5 old students rejoined and appeared for the final examination. Four of them passed. These men have not been shown in the appendix.

Appendix C shows the different nationalities of students attending the Salutri Certificate Course.

The Conference of officers held on the 26th November 1904, having recommended the abolition of the Salutri Course, no admissions, with the concurrence of Government, were made this year.

The attendance of students was satisfactory.

Twenty-nine bullock-drivers from the Supply and Transport Department of the Bombay and Madras Presidencies underwent a course of training during the last vacation. They were examined at the end of the course and 23 of them

were considered competent to perform the work of dressers. The course of instruction was conducted by the Instructors of the Salutri Course.

Employment of Graduates and Salutris.

4. Fifteen students passed the Diploma Examination in December last. Out of these two have been appointed as temporary Veterinary Assistants for 2½ years in the Madras Presidency on a salary of Rs. 75 per mensem, one as a Veterinary Assistant in charge Veterinary Dispensary, Surat, one in Kurundwád State, and two as Assistant Veterinary Officers at the College.

From the Graduates of previous years one obtained an appointment as Meat Inspector under the Bombay Municipality on a salary of Rs. 120 *plus* Rs. 30 C. A.; one as Inspector at the Imperial Bacteriological Laboratory, Muktesar, on a salary of Rs. 100—150; one in Baroda State on a salary of Rs. 60—75; one as Senior Lecturer at the Madras Veterinary College on a salary of Rs. 120—200, the Graduate who was holding the appointment having been transferred to the Forest Department in that Presidency; one as Veterinary Assistant and Lecturer, Nágpur Agricultural School, on a salary of Rs. 80; one as Manager, Northcote Cattle Farm, Chárodi, on a salary of Rs. 100—150; three obtained temporary appointments in the Madras Presidency on salaries of Rs. 75; and one in Cutch (Káthiáwád) State on a salary of Rs. 75.

A demand has been made for 2 Graduates to be employed as Veterinary Inspectors at Perak of the Federated Malay States on a salary of £120—180 per annum, and I hope to be able to secure the services of 2 suitable Graduates for these appointments.

The opening of dispensaries in Sholápur, Bijápur, Panch Maháls and Jacobabad from the commencement of the next official year will give employment to 4 Graduates.

Inquiries for the services of a Graduate for employment as Superintendent of a Cattle and Pony Farm in Kota Bilud, British North Borneo, and for 3 more Graduates for temporary employment in the Madras Presidency were made.

At present 10 Graduates are without employment.

It has been sanctioned that if 12 L. C. E. and L. M. & S. are not available to join the Sanitary Class of the Bombay Municipality, Veterinary Graduates may be allowed to join and their fees paid by Government, and, if there are not enough of L. C. E. and L. M. & S. candidates to take up the 6 subsistence allowances, they should be given to Veterinary Graduates. Under these concessions 4 Graduates of this year and one old Graduate have joined the class and 2 of them are drawing the allowances. The Municipalities of Hubli, Belgaum and Surat, and the Superintendent of Mahableshwar have offered appointments to Graduates with sanitary qualifications.

It is hoped that opportunities for the employment of Graduates will improve in the immediate future, as the Government of India urge upon Local Governments the necessity of increasing the subordinate Veterinary staff at a far more rapid rate than has hitherto been considered expedient, and wish that local bodies be asked to increase their staff so that at no distant date a Veterinary Assistant may be found in every táhsil in India. There are also prospects of a few lucrative appointments being created for our Graduates, as the Government of India considers that an increased number of assistants of necessity entails the appointment of an additional supervising and inspecting staff. It is, therefore, under contemplation to appoint a Deputy Superintendent for each Province on a salary of Rs. 150 rising to Rs. 400.

Out of 22 Salutris that passed during the year 5 are employed. Out of 59 Salutris that passed since the establishment of this course, excluding those of this year, 51 are employed as far as I can ascertain.

Conference.

5. Government Resolution, Educational Department, No. 1584, dated 29th August 1904, sanctioned the appointment of a Conference of the following officers to settle certain questions in connection with the College:—

(1) The Honourable Mr. E. Giles, C.I.E., Director of Public Instruction, Chairman.

(2) Colonel J. W. A. Morgan, Inspector-General, Civil Veterinary Department.

(3) H. S. Lawrence, Esquire, I. C. S., Director of Land Records and Agriculture.

(4) Lieut.-Colonel J. Brodie-Mills, Principal, Bombay Veterinary College.

(5) Major F. Joslen, Superintendent, Civil Veterinary Department, Bombay Presidency.

The Conference met on the 26th of November last on the College premises and made the following recommendations to Government:—

(1) That all the residential and educational buildings of the College, should gradually be located on a site in the grounds of Government House, Parel.

(2) That the Salutri Class should be abolished, as there is no prospect of regular and systematic employment for the men who qualify after being trained in that class.

(3) The rules as to admission to the Diploma Course should not be altered, as they provide for a suitable entrance examination and give preference to those candidates who have passed the Matriculation and School Final Examinations.

(4) The curriculum proposed by the Principal being in the main in uniformity with that of other Colleges, the Inspector-General, Civil Veterinary Department, was prepared to accept it generally. Therefore, it was decided that, on a few points of minor importance, the Principal should confer with the Inspector-General, Civil Veterinary Department, and should report the result, which has been done. The curriculum has been finally sanctioned by Government.

(5) The excursions should be continued, and a provision of Rs. 500 for the same should be made in the College budget.

(6) Action should be taken to improve existing conditions, especially as regards the Pharmacy, the Museum and the supply of instruments, and the Principal should be called upon to submit a detailed report in the matter.

Improvements.

6. The Principal and Assistant Principal were asked to visit the Panjáb Veterinary College with a view to compare the facilities for teaching purposes here and at that College. As a result of this visit the Principal placed before the Conference certain proposals for adoption which are now before Government for favour of sanction, and the following are the important proposals made:—

(1) That scholarships should be awarded to students after they have attended for 2 months and have been examined as to their aptitude for veterinary work.

(2) A student who fails in one of the subjects at a Professional Examination but obtains the required aggregate number of marks should again be examined in that subject within 3 months.

(3) A class for training Farriers should be established.

(4) Models and instruments to be obtained for the Museum and Pharmacy. In complying with this recommendation Government have sanctioned a grant of Rs. 750 for the local purchase of models and instruments during the current year and a provision of Rs. 7,000 has been made in the next year's budget so as to enable me to indent for them through the Secretary of State.

(5) A segregation hospital for all animal patients suffering from contagious diseases should be built at the Sewri Lazaretto.

A grant of Rs. 5,000 was sanctioned by Government for thoroughly repairing and repainting the main College building, and this work has been carried out.

Extra duties.

7. (*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Inspected horses in Bombay and Bándra stables, at the Harbour and Sewri Lazaretto.

(*c*) Treated sick animals for the Commissariat Department.

(*d*) Performed the duties of receiving and despatching stallions for the Superintendent, Civil Veterinary Department, United Provinces.

(*e*) Advised the Commissioner of Police regarding the purchase and casting of horses.

(*f*) Acted as an Examiner in Veterinary Science at the Examinations in Agriculture at the Bombay University.

(*g*) Mr. Hewlett, Assistant Principal, went to study bacteriology at the Imperial Bacteriological Laboratory, Muktesar.

(*h*) Twenty-nine bullock-drivers were trained as dressers by the Instructors of the Salutri Course.

Teaching Staff.

8. The Principal and the Assistant Principal were deputed to visit the Panjáb Veterinary College, and during their absence from 22nd to 30th June 1904 Assistant Professor Dhakmarvala was in charge of the office of Principal.

Government have been pleased to sanction an increased scale of pay—Rs. 150 rising to Rs. 250—for the two Assistant Professors with effect from 1st March 1905, and have also asked the sanction of the Secretary of State for the creation of an appointment of Professor of Bovine Pathology with effect from the same date. Pending this sanction Mr. Dhakmarvala has been allotted the duties of the new appointment, and Mr. Shaikh, 1st Instructor to the Salutri Class, those of Assistant Professor of Anatomy. Mr. S. R. Jalihal, 3rd Instructor to the Salutri Course, having obtained the appointment of Lecturer at the Nágpur Agricultural School, left his appointment here on the 4th February, which appointment has been left vacant. Mr. M. C. Joshi, 2nd Instructor to the Course, having obtained an appointment as Manager of the Northcote Cattle Farm, Chárodi, also left his appointment here on the 18th February, and Mr. J. F. L. De Monte has been temporarily appointed to fill this vacancy.

The duties of instructing the Salutri Class are at present performed by one teacher, there being only one class of that course under tuition.

The teaching staff, both of the College and Salutri Course, performed their duties to my entire satisfaction.

Branches of study.

9. Twenty-nine subjects were obtained for dissection this year as against 25 and 18 in 1903-1904 and 1902-1903, respectively.

Physical training.

10. Lessons in riding were as usual given to the senior students of the Diploma and Salutri Courses at His Excellency the Governor's Body Guard Ménage, Chowpati. Cricket, foot-ball and other games were also played by students under the auspices of the College Gymkhana.

Museum and Library.

11. Many additions to the Museum and Library were made during the year. Sixteen bromide enlargements of "dourine"—a specific disease affecting the generative organs of the horse tribe—were received from the Inspector-General, Civil Veterinary Department, and samples of all grasses of the Bombay Presidency were obtained from the Poona Botanical Gardens. These have been placed in the Museum.

Donors of prizes.

12. Sir Dinshaw Maneckji Petit, Bart., and the Bayley Memorial Fund Committee should be thanked for the contributions made by them to the prize fund.

Visitors.

13. The following gentlemen visited the College and Hospital during the year:—

The Honourable Mr. E. M. H. Fulton.
The Honourable Mr. S. W. Edgerley, C.I.E.
The Honourable Mr. E. Giles, C.I.E., Director of Public Instruction.
Colonel J. W. A. Morgan, I. C. V. D., Inspector-General, Civil Veterinary Department.
H. S. Lawrence, Esquire, I. C. S., Director of Land Records and Agriculture.

Hospital.

14. The records of the Hospital give the following information relative to patients, etc.:—.

(*a*) ***In-patients.***—2,809 were admitted in 1904 as against 2,532 and 2,618 in 1903 and 1902, respectively, showing an increase of 277 over the last year.

The various classes of animals admitted were as follows:—Horses 712, cattle 1,664 and dogs 433. The daily average was 210, showing an increase of 10 when compared with that of the last year.

(*b*) ***Out-patients.***—610 were treated in 1904 as against 604 and 659 in 1903 and 1902 respectively, showing an increase of 6 over the last year.

(*c*) ***Mortality.***—The mortality in horses during 1904 was at the rate of 3·65 per cent., in cattle 2·52 per cent. and in dogs 25·63 per cent. as against 2·98 per cent., 2·19 per cent. and 30·26 per cent., respectively in 1903, and 4·07 per cent., 2·54 per cent. and 27·27 per cent., respectively in 1902.

(*d*) The number of operations performed during the year was 317 as against 354 in 1903.

(*e*) ***Buildings.***—A new horse ward to accommodate 8 horses was built out of a gift of Rs. 10,000 given by the executors of the late Mr. Kuverji Cowasji Gandhi, and if any balance remains out of this gift, it is intended to utilise it for building another ward for dogs.

Mr. M. D. Doctor who succeeded the late Mr. K. M. Shroff as Secretary, Society for the Prevention of Cruelty to Animals, has given me invaluable assistance in carrying out improvements in the Hospital.

The Manager and Assistant Manager of the Hospital have given me satisfaction in carrying out orders pertaining to the Hospital.

Buildings.

16. The amount of Rs. 4,900 has been spent in carrying out repairs at the College. The question of building quarters for students and the Professor of Bovine Pathology has been held in abeyance pending the orders of Government on the recommendations of the Conference.

Office.

17. Mr. V. B. Phatak, Head Clerk, has performed his work satisfactorily both in connection with the College and Glanders and Farcy Department.

18. Appendix D is the Financial Statement for the year under report.

J. BRODIE-MILLS, Lieut.-Col., I. C. V. D.,
Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Professional Examinations, 1904.

Examinations.	First Class.	Pass.	Total Candidates		Percentage of Passes.
			Examined.	Passed.	
Diploma Course.					
First Professional	6	10	23	16	69·56
Second Professional	8	10	24	18	75·00
Third Professional	7	8	19	15	78·94
Total ...	21	28	66	49	74·24
Vernacular Salutri Certificate Course.					
First Professional	6	14	20	20	100·00
Second Professional	10	12	23	22	95·65
Total ...	16	26	43	42	97·67
Grand Total ...	37	54	109	91	83·48

APPENDIX B.

BOMBAY VETERINARY COLLEGE.

Return showing Changes in the Number of Students in 1904-1905.

Class.	Number of Students on 1st April 1904.	Withdrawn.		Entries.		Number of Students on 31st March 1905.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Diploma Course.							
Class C	16	14*	...	1	18	21	*13 graduated.
Do. B	25	2	18	2	16	23	
Do. A	27	7	16	38	...	42	
Diploma Course, Total .	68	23	34	41	34	86	
Vernacular Salutri Certificate Course.							
Class B	21	19*	...	†2	20	24	* 18 passed and one died. † Old students rejoined.
Salutri Course, Total ...	21	19	...	2	20	24	
Diploma and Salutri Courses, Grand Total.	89	42	34	43	54	110	

J. BRODIE-MILLS, Lieut.-Col., I. C. V. D.,
Principal, Bombay Veterinary College.

Parel, Bombay, 19th May 1905.

APPENDIX C.

Bombay Veterinary College.

Return showing the Number and Nationality of Students for the year 1904-1905.

Caste.	Paying.	Native States, Local Boards and Municipalities.	Government Scholars.	Government free.	Total.	Remarks.
DIPLOMA COURSE.						
Class C.						
Pársis	3	...	...	...	3	
Hindus	9	2	3	...	14	
Europeans and Eurasians	1	...	...	...	1	
Native Christians	2	1	...	...	3	
Total ...	15	3	3	...	21	
Class B.						
Hindus	10	2	5	...	17	
Pársis	1	...	1	...	2	
Buddhists	1	...	...	...	1	
Europeans and Eurasians	1	...	...	...	1	
Native Christians	2	...	...	...	2	
Total ...	15	2	6	...	23	
Class A.						
Native Christians	3	...	...	...	3	
Hindus	22	6	5	...	33	
Mahomedans	4	1	1	...	6	
Total ...	29	7	6	...	42	
Diploma Course, Total ...	59	12	15	...	86	
VERNACULAR SALUTRI CERTIFICATE COURSE.						
Class B.						
Hindus	...	3	...	16	19	
Mahomedans	...	2	...	3	5	
Total ...	...	5	...	19	24	
Salutri Course, Total ...	...	5	...	19	24	
Diploma and Salutri Courses, Grand Total ...	59	17	15	19	110	

J. BRODIE-MILLS, Lieut.-Col., I. C. V. D.,
Principal, Bombay Veterinary College.

Parel, Bombay, 19th May 1905.

APPENDIX D.

Financial Statement of the Bombay Veterinary College for 1904-1905.

Budget Sanction.						Actual Expenditure.					
Heads.	1903-1904.			1904-1905.		Heads.	1903-1904.			1904-1905.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—						Teaching Staff	30,054	7	1	39,140	13 2
Teaching Staff	36,263	0	0	35,730	0 0	Establishment	2,503	10	1	2,574	8 4
Establishment	2,580	0	0	2,580	0 0	Contingent Expenditure ...	1,232	7	5	1,564	10 0
Contingent Expenditure ...	1,228	0	0	1,228	0 0	Scholarships	1,709	7	5	1,600	0 0
Scholarships	1,800	0	0	1,800	0 0	Chemicals, etc.	201	11	6	172	15 1
Chemicals	200	0	0	200	0 0	Riding Fees	288	0	0	288	0 0
Examiners' Fees	300	0	0	300	0 0						
House Rent Allowance ...	1,440	0	0	1,440	0 0	House Rent Allowance	1,257	4	6	1,440	0 0
Books, Periodicals, etc. ...	450	0	0	450	0 0	Travelling Allowance to Officers.	35	0	0	720	8 0
Travelling Allowance to Officers	200	0	0	300	0 0	Furniture and Apparatus ...	156	4	0	618	8 6
Furniture and Apparatus ...	394	0	0	394	0 0						
Buildings and Repairs... ...	390	0	0	4,890	0 0	Buildings and Repairs	402	0	0	4,900	2 4
Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0	Books and Periodicals	373	4	9	377	6 0
Charges for Instruction in Dairy Work, Cattle, etc. ...	500	0	0	500	0 0	Honorarium to three Assistant Veterinary Officers	900	0	0	900	0 0
Rates and Taxes	82	0	0	82	0 0						
Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0	Rates and Taxes	87	13	1	87	13 1
Riding Fees	300	0	0	300	0 0	Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
Special grant for the purchase of Implements, etc. ...	.....			750	0 0	Purchase of Implements, etc. ...	.....			750	0 0
Total ...	47,207	0	0	51,274	0 0	Total ...	39,381	5	10	55,315	4 6

Statement of Receipts on account of the College credited to Government.

Heads.	1903-1904.			1904-1905.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal contribution	2,500	0	0	2,500	0	0
Fees from students	3,120	0	0	3,840	0	0
Rent of students' quarters	144	0	0	144	0	0

J. BRODIE-MILLS, Lieut.-Col., I. C. V. D.,
Parel, Bombay, 19th May 1905. Principal, Bombay Veterinary College.

Administration Reports.—

Annual Report of the Bombay Veterinary College for the year 1904-05.

Educational Department.
No. 1396

Bombay Castle,
5th August 1905.

Government memorandum No. 1134, dated the 21st June 1905, to the Director of Public Instruction.

Letter from the Director of Public Instruction, No. 3295, dated the 1st July 1905.

"With reference to your No. 1134 of June 21st, I have the honour to forward herewith the Report of the Veterinary College, Parel, for the year 1904-05. The Report was received by me on June 15th and sent to the Director, Land Records and Agriculture, for perusal and remarks.

"2. I forward a copy of the letter of the Director, Land Records and Agriculture, returning the Report, and would express my entire concurrence in Mr. Lawrence's remarks in paragraphs 2 and 3. It seems to me a most reasonable suggestion that large Native States which profit by the education given in the College should give some encouragement to the institution by founding scholarships or prizes, and I would suggest that the Principal should be instructed to report as suggested in paragraph 3, and that Government should consider on receipt of the information whether the Political authorities concerned should be addressed.

"3. I would ask the attention of Government to paragraphs 4 and 5 of the letter of the Director, Land Records and Agriculture. I trust that eventually the Veterinary College, Parel, may be located on the large and commodious site proposed by the Special Committee in November last. In this connection I may state that the special report called for by Government in their No. 839 of May 13th has been delayed pending the receipt of plans and information regarding the Colleges at Lahore and Madras, but I trust that it will shortly be submitted.

"4. Among the main features of the Report for the past year are the increase in the number of students in the Diploma classes, and the large number of candidates who sought admission to the College. The growing popularity of the College and the future prospects of employment, as mentioned in paragraph 4 of the Report, will no doubt lead year by year to a higher standard of selection, and to the gradual improvement of the class of men who take up this special study. But, for the present, it should be noted that 10 graduates are unemployed, while the Municipal Boards which have tried to obtain graduates with a sanitary qualification at present offer salaries which those graduates will not accept.

"5. Paragraphs 5 and 6 of the Report deal with the resolutions of the Conference of November 29th and the results of the visit of the Principal and Vice-Principal to the Punjab College. These matters have been fully reported to Government and no comment on them is necessary here.

"6. The subordinate staff of the College has been materially strengthened by the increased scale of pay sanctioned by Government for the Assistant Professors and the appointment of a Professor of Bovine Pathology. The curriculum has been revised and the work of the College, within its present limits, is now fairly defined, and it is satisfactory to note that the Principal expresses his entire satisfaction with the work of the staff, while the examination results for the year appear to be quite satisfactory. The Salutri Classes are to be abolished, but the fact reported in paragraph 4 that out of 59* men so trained 51 are apparently employed serves to show that the time and trouble expended on these classes has not been wasted.

* Figures for 1904-05 excluded.

"7. Finally, I would record my opinion that the College has been efficiently administered during the past year by Lieut.-Colonel Mills and the College staff.".

Letter from the Director, Land Records and Agriculture, to the Director of Public Instruction, No. A.— 4609, dated the 29th June 1905.

"I have the honour to return the Report forwarded with your No. 2822 of 20th instant.

"2. The increase of the new admissions to 41 is satisfactory; the fact that the College attracts students from distant Native States such as Mysore and Travancore is valuable evidence of its reputation. I would suggest, however, that the Native States who profit by this institution to train their own officers might be moved to give some return by the grant either of prizes or scholarships for the boys or subventions to the museum or other requirements of the College.

"3. The Principal should report to what extent the several States have utilised the College in the past, and if Government have no objection, an application may be made to the Political officer concerned. The grant of scholarships at the end of the first and second examinations and of prizes at the end of the third year would tend to attract a superior stamp of student.

"4. The administration of the College and the results of the examination are satisfactory within the limits of existing conditions. In March last I had the opportunity of visiting the Lahore Veterinary College, and I was much impressed by the comparison. At Lahore ample ground has been purchased by Government for the institution, and the lecture-rooms, museums and laboratories have been admirably furnished, but while much attention is given to horses, small facilities exist and very little provision is made for the treatment of cattle. The institution is about to be extended and the equipment still further improved.

"5. On the other hand, in Bombay we have far superior advantages in the supply of cattle in-patients—a field of instruction unrivalled in any part of India—but very inadequate provision of buildings and equipment. However, if the recommendations made by the Committee in November last are carried out, I am assured by competent authorities that the Bombay College will take a place amongst the first Veterinary institutions in the world."

RESOLUTION.—The report contains the record of a year in which several important proposals for the improvement of the College were made. After careful consideration Government have decided to abolish the Salutri Class, and as a result of the recommendations of the Conference referred to in paragraph 5 of the report and of the Principal after his visit to the Veterinary College at Lahore a new appointment of Professor of Bovine Pathology has been created in the College and the pay of the staff improved. Steps have been taken to improve the equipment of the Museum and Pharmacy of the College at an initial cost of Rs. 7,750 and an annual expenditure of Rs. 1,000. The curriculum of the College and rules for examinations and for the grant of scholarships have been revised and an annual grant of Rs. 500 for students' excursions has been sanctioned.

2. The College buildings were not constructed for the purpose for which they are now used, but were placed at the disposal of Government by the Society for the Prevention of Cruelty to Animals and were converted by Government at some expense. These buildings are old and in some respects unsuitable. They have recently been repaired. The recommendation of the Conference for the erection of a new building for the College with residential quarters for students, &c., is at present under the consideration of Government.

3. His Excellency the Governor in Council concurs with the Director of Public Instruction and the Director of Land Records and Agriculture that the College has been satisfactorily administered and expresses a hope that with the improvements mentioned above it will be able to show still better results.

4. The report of the Principal, Bombay Veterinary College, suggested in paragraph 3 of the letter from the Director of Land Records and Agriculture will be awaited.

J. SLADEN,
Acting Secretary to Government.

To

The Director of Public Instruction
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,

} With copies of the Report.

The Political Department,
The Agent to the Governor, Kathiawar,
The Political Agent, Cutch,
The Political Agent, Kolhapur and Southern Maratha Country,
The Political Agent, Mahi Kantha,
The Political Agent, Rewa Kantha,
The Political Agent, Savantvadi,
The Political Agent, Palanpur,
The Political Resident, Aden,
The Director of Land Records and Agriculture,
The Superintendent, Civil Veterinary Department,
The Principal, College of Science, Poona,
The Compiler of the General Administration Report,
The General Department,
The Revenue Department,
The Public Works Department,
The Sanitary Commissioner for the Government of Bombay,
The Deputy Adjutant General, Bombay Command, Poona,
The Editors' Table, Bombay,
The Editors' Table, Poona,
The Editor and Proprietor, *Dharwar Vritta* (for his own use and for circulation to other Editors of newspapers in Dharwar),
The Editors' Table, Belgaum,
The Editors' Table, Karachi,
The Municipal Commissioner for the City of Bombay,
} With copies of the Report.

The Superintendent, Government Central Press,
(With a request that the copies of the Report required by this Department may be sent as soon as possible.)

The President, Municipal Corporation, Bombay,
The Secretary to the Society for the Prevention of Cruelty to Animals,
The Government of India.
The Librarian, Imperial Library, Metcalfe Hall, Calcutta,
The Reporter on Economic Products to the Government of India.
} By letter.

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1905-1906.

BOMBAY
PRINTED AT THE GOVERNMENT CENTRAL PRESS.
1906
[Price—Annas or 3d.]

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Otto Harrassowitz, Leipzig.
Karl W. Hiersemann, Leipzig.
Ernest Leroux, 28, Rue Bonaparte, Paris.
Martinus Nijhoff, The Hague.

In India.

Higginbotham & Co., Madras.
V. Kalyanarama Iyer & Co., Madras.
P. R. Rama Iyar & Co., Madras.
Thacker, Spink & Co., Calcutta.
W. Newman & Co., Calcutta.
S. K. Lahiri & Co., Calcutta.
R. Cambray & Co., Calcutta.
Thacker & Co. (Ld.), Bombay.
A. J. Combridge & Co., Bombay.
Curator, Government Central Book Depot, Bombay.
D. B. Taraporevala, Sons & Co., Bombay.
Sunder Pandurang, Bookseller, etc., Bombay.
Gopal Narayen & Co., Booksellers, etc., Bombay.
N. B. Mathur, N. K. H. Press, Allahabad.

81-7-06

REPORT

OF THE

BOMBAY VETERINARY COLLEGE

FOR THE YEAR

1905-1906.

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BOMBAY:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1906.

No. 572 OF 1906.

Bombay Veterinary College,
Parel, 31st May 1906.

From

M. H. SOWERBY, ESQUIRE, I. C. V. D.,
Acting Principal,
Bombay Veterinary College;

To

THE DIRECTOR OF PUBLIC INSTRUCTION,
Poona.

SIR,

I have the honour to submit the Twentieth Annual Report of the Bombay Veterinary College dealing with its administration during the official year 1905-06. Lieutenant-Colonel Brodie-Mills was in charge of the College up to 21st January 1906. A brief outline of the duties performed in connection with the Bai Sakarbai Dinshaw Petit Hospital for Animals for the year ending 31st December 1905 is embodied in the report.

Professional Examinations.

2. Government appointed the following officers to serve on the Board of Examiners for this year :—

President.

Captain J. Farmer, I. C. V. D., Superintendent, Government Cattle Farm, Hissar.

Members.

Captain W. O. Dawson, I. C. V. D., Superintendent, Civil Veterinary Department, Sind, Baluchistan and Rájputána.

Mr. K. Hewlett, I. C. V. D., Acting Superintendent, Civil Veterinary Department, Bombay Presidency.

However, on account of the serious illness of Captain Dawson, he was unable to serve on the Board and, therefore, the examinations were conducted by the remaining two officers.

The examinations were held from the 4th to the 15th December, the results (*vide* Appendix A) being declared and prizes awarded on the latter date.

From the Appendix it will be observed that of the three College classes, out of 72 candidates that presented themselves for examination, 52 passed, a percentage of 72·22 as against 74·24 and 70·49 in 1904 and 1903, respectively. The total number of students that presented themselves from all the three classes has increased and the percentage of passes has not materially decreased as compared with the figures of last year. The results compare favourably with previous years.

A revised curriculum of studies was introduced this year and the examinations were conducted according to that curriculum.

The practice at the Punjáb Veterinary College that a student, who fails in one subject at a Professional Examination but obtains the required aggregate number of marks, should again be examined in that subject within three months, was brought into force at this College with the sanction of Government and a supplementary examination for 7 men from different classes, who failed in one subject in December last but were eligible for re-examination under this concession, was held in March by Mr. Hewlett, Acting Superintendent, Civil Veterinary Department, Bombay Presidency. Out of these seven men three again failed and were compelled to revert to their former classes.

In Appendix A, results of the examinations held in December and the supplementary examination held in March are amalgamated.

Under the revised College Rule 11, which was brought into force this year, the system of allotting scholarships to certain districts every year has been abolished and the scholarships are left open to candidates coming from any districts. However, if compared with previous years, the number of candidates who presented themselves for admission as scholars was on the decrease instead of on the increase, although it was advertised that students from any district of the Presidency were eligible to compete for the scholarships. It seems, therefore, necessary to impress upon the Collectors of different districts that they are under the revised rules at liberty to recommend students for scholarships even if they are not allotted to their districts. Out of the 14 men who presented themselves, 2 each were from Poona, Surat and Broach; 3 from Kaira; and 1 each from Kolába, Sátára, Belgaum, Ratnágiri and Cutch. Out of these men, 6 were Matriculates and 1 had passed the U. S. F. Examination. Out of the 5 who were finally selected whose selection was approved of by the Director of Public Instruction, 1 came each from Broach, Kolába, Surat, Sátára and Kaira. Three of them have passed the Matriculation Examination.

Twenty-five students attended Class B of the Salutri Certificate Course until the Final Examination was held in December last, after which the course was abolished.

Fifteen bullock drivers from the Supply and Transport Department of the Bombay Presidency and a similar number from the Madras Presidency attended a course of training as dressers for a period of 3 months. All of these men were considered competent to perform the work of dressers at the end of the course. According to Government orders the course extends over the vacation period of 3 months. But during this year 15 of these men were sent in the middle of April and 15 in the middle of May. This greatly interfered with the teaching and practical work of the College course. The inconvenience thus caused was brought to the notice of the Military authorities, who were asked to make arrangements in future to send men for this course regularly on the 1st April.

Farriers' Class.

4. On approaching Government with a proposal to start a Class at the College for training farriers, they have ordered that the starting of the Class should be notified to the Deputy Adjutant-General, Western Command, the Collectors and Political Agents in the Presidency, the Agents to the Governor General at Baroda and in Central India and the Chief Commissioner, Central Provinces and Berar, on whose assurances to send a sufficient number of stipendiary students every year the establishment of the Class depends.

Employment of Graduates and Salutris.

5. This year 14 students passed the Diploma Examination. Out of these three have been appointed in charge of Local Board Veterinary Dispensaries before the date of this report—one at Ratnágiri, one at Lárkána and one in the United Provinces. One has obtained the appointment of Veterinary Inspector under the Bangalore Municipality; two have been appointed on temporary rinderpest inoculation duty; two have engaged themselves in private practice in Bombay; and two are appointed as Assistant Veterinary Officers at the College.

An appointment of Itinerating Veterinary Assistant was created in the Dhárwár District and given to a Graduate of the last year. One Graduate was appointed in charge of Veterinary Dispensary of the Society for the Prevention of Cruelty to Animals, Bellary, and one was appointed temporarily in charge of Veterinary Dispensary, Madura, in the Madras Presidency. Appointments of Veterinary Inspectors for the Native State of Perak in the Federated Malay States on a salary of £120 rising to £180 per annum were given to 2 Graduates of this College. Also a Graduate was appointed to the charge of Veterinary Dispensary at Jacobabad. But the expected Dispensaries in Sholápur, Bijápur and Panch Maháls Districts have not as yet been opened. It is, however, hoped that the number of Local Board appointments for our Graduates will soon be increased.

Ten Graduates including those who are in temporary service are unemployed.

An application for the services of a Graduate for King Menelek was received from His Britannic Majesty's Minister, Adis Ababa.

Two Graduates passed the Sanitary Surveyors' Examination in June last, but they have not as yet obtained any appointment as Sanitary Inspector. Five Graduates are at present undergoing the Sanitary Course which commenced in February last.

Twenty-four men passed the Salutri Certificate Examination this year; out of this number two have obtained employment.

Nine Salutris obtained appointments as Veterinary Duffadars, 4 were appointed as compounders and 4 obtained appointments in the Native States.

Extra duties.

6. (*a*) Controlled the Glanders and Farcy Department in Bombay.

(*b*) Inspected horses in Bombay and Bandra stables, at the Harbour and Sewri Lazaretto.

(*c*) Treated sick animals for the Commissariat Department.

(*d*) Performed the duties of receiving and despatching stallions for the Superintendent, Civil Veterinary Department, Bombay Presidency.

(*e*) Advised the Commissioner of Police and the Bombay Light Horse regarding the purchase and casting of horses.

(*f*) Lieutenant-Colonel Brodie-Mills and myself acted as Examiners in Veterinary Science at the Examinations in Agriculture at the Bombay University.

(*g*) Thirty bullock drivers were trained as dressers by the Instructors of the Salutri Course.

Teaching Staff.

7. On the 13th May 1905 Mr. Hewlett, Assistant Principal, was transferred to act as Superintendent, Civil Veterinary Department, Bombay Presidency, and I was appointed to act in his place as Assistant Principal. Lieutenant-Colonel Brodie-Mills having proceeded to Europe on one year's combined leave from the 22nd January 1906, I was appointed to act as Principal during his absence pending further orders. In consequence of this appointment, Mr. Dhakmarvala, Professor of Bovine Pathology, acted as Assistant Principal, and Mr. Vakharia as Professor of Bovine Pathology up to 29th January, when Mr. Dhakmarvala was relieved of his acting duties by Mr. W. A. Broad, I.C.V.D. During Mr. Vakharia's acting promotion Mr. P. Miranda, G.B.V.C., Inspector, Glanders and Farcy Department, acted as Assistant Professor of Chemistry.

In consequence of the illness of Mr. DeMonte, G.B.V.C., temporary Instructor to the Salutri Class, Mr. D. G. Haji, G.B.V.C., was appointed as Instructor on the 15th October 1905 and remained in the appointment until the Class was abolished.

The teaching staff have been performing their duties very satisfactorily, and Mr. Dhakmarvala and Mr. Shaikh appear to have been doing justice to the new subjects they have been called upon to teach.

Three appointments of Assistant Veterinary Officers on a salary of Rs. 25 each have been changed to 2 appointments, one on Rs. 50 and another on Rs. 25, the former to perform day duty and the latter to be on night duty. This change is effected with a view to secure the services of one experienced Graduate for the performance of Hospital duty.

Branches of study.

8. Facilities for teaching different subjects are being obtained.

The Museum has been shifted to the upper lecture hall, and the specimens and models have been re-arranged. Mr. Shaikh, Assistant Professor of Anatomy, has been placed in charge of this branch of the Institution and a Museum attendant has been provided to work under his guidance.

From the grant of Rs. 7,000 models and instruments were obtained from England. This has made the Museum more attractive and its usefulness has greatly increased.

The Patho-Bacteriological Laboratory has been re-arranged and the microscopic work has been carried on there on a larger scale.

In consequence of the addition of a Professor of Bovine Pathology, the work of teaching Bovine and Equine Pathology has been separated.

Twenty-six subjects were obtained for dissection and operations as against 29 and 25 in 1904-05 and 1903-04 respectively.

Government having again sanctioned excursions and having provided a grant of Rs. 500, I took the senior students on an excursion tour to Ahmedabad during the month of March when a Horse Show was held there. I also took them to the Charodi Cattle Farm. The students greatly profitted themselves on account of this tour, as they found opportunity to study by demonstration different breeds of animals and their management at the farm as well as at the Horse Show.

Additions have been made to the Library and a proposal to arrange for the due performance of the Library work has been re-submitted.

Physical training.

9. As usual senior students of the College went through a course of equitation at His Excellency the Governor's Body-Guard Menage, Chowpati. Cricket, football and other games were played by students under the auspices of the College Gymkhana.

Government intend to provide a proper play-ground for students when the new quarters for them are ready.

Donors of Prizes.

10. Sir D. M. Petit, Bart., and the Bayley Memorial Fund Committee contributed to the Prize Fund and thanks are due to them for the same.

Visitors.

11. The following gentlemen visited the College and Hospital during the year:—

His Excellency Lord Lamington, the Governor of Bombay.

The Honourable Mr. E. M. H. Fulton.

The Honourable Mr. E. Giles, C.I.E., Director of Public Instruction.

Colonel J. W. A. Morgan, I.C.V.D., Inspector-General, Civil Veterinary Department.

H. S. Lawrence, Esquire, I.C.S., Director of Agriculture.

Hospital.

12. The records of the Hospital give the following information relative to patients, etc.:—

(*a*) In-patients 2,975 were admitted in 1905 as against 2,809 and 2,532 in 1904 and 1903, respectively, showing an increase of 166 over the last year.

The various classes of animals admitted were as follows:—Horse 741, cattle 1,790 and dogs 444. The daily average was 215, showing an increase of 5 over the last year.

(*b*) Out-patients 672 were treated in 1905 as against 610 and 604 in 1904 and 1903, respectively, showing an increase of 62 over the last year.

(*c*) *Mortality.*—The mortality in horses during 1905 was at the rate of 3·37 per cent., in cattle 2·9 per cent. and in dogs 27·05 per cent. as against 3·65 per cent., 2·52 per cent., and 25·63 per cent., respectively, in 1904, and 2·98 per cent., 2·19 per cent., and 30·26 per cent., respectively, in 1903.

(*d*) The number of operations performed during this year was 377 as against 317 and 354 in 1904 and 1903, respectively.

(*e*) A new Dog Ward to accommodate 9 patients and a shed for operations on dogs have been built and are now in use.

The Principal impressed the necessity for using horse traction for the Hospital ambulance and managed to procure a pair of cast Artillery horses for use in the ambulance.

On the recommendation of the Principal, the Hospital authorities contemplate building an Operating Theatre, which is an urgent necessity, but the money they propose spending for this purpose (Rs. 8,000) is altogether insuffi-

cient. It would be far better if the Hospital authorities spent this sum on the improvement of the existing buildings and Government allotted an adequate amount for the building of the Operating Theatre on the new Government site.

Mr. M. D. Doctor, Secretary of the Hospital, should be thanked for the ready manner in which he renders assistance in carrying out measures in connection with the patients in the Hospital.

The Manager and Assistant Manager also promptly carry out the orders given to them.

Buildings.

13. The Conference held in November 1904 had proposed that the residential and educational buildings of the College should gradually be located on a site in the grounds of Government House, Parel. But the idea of extension on the Government House site was given up in preference to the adjoining premises of Mr. Framji Bomanji Jeejibhoy, which have been bought at a cost of Rs. 1,00,023-7-3 and the building of the College and students' quarters at an estimated cost of Rs. 2,08,000 has been sanctioned. The work has already commenced and it is expected that the buildings will be ready for occupation by the end of the official year.

Rs. 1,147-4-1-1 were spent during the year for the repairs of the present College buildings.

Office.

14. A proposal has been submitted for the revision of pay of the clerical establishment. From my experience of the office work for the last four months, I find Mr. Ranade, second clerk, competent in his work, and Mr. Phatak a very useful head clerk.

15. Appendix D is the Financial Statement and Appendix E is the Statement showing the Main Results of the College for the year under report.

I have the honour to be,

Sir,

Your most obedient servant,

M. H. SOWERBY, I.C.V.D.,

Acting Principal, Bombay Veterinary College.

APPENDIX A.

BOMBAY VETERINARY COLLEGE.

Results of Professional Examinations, 1905-06.

Examinations.	First Class.	Pass.	Total Candidates		Percentage of Passes.
			Examined.	Passed.	
Diploma Course.					
First Professional	12	13	31	25	80·64
Second Professional	6	7	20	13	65·00
Third Professional	6	8	21	14	66·66
Total ...	24	28	72	52	72·22
Vernacular Salutri Certificate Course.					
Second Professional	3	21	25	24	96·00
Total ...	3	21	25	24	96·00
Grand Total ...	27	49	97	76	78·35

N.B.—One student of Class A, who was permitted to appear but did not appear for the First Professional, has not been shown in the Statement; also one student who attended Class B under concession and appeared for the Second Professional as well as for Handling at the First Professional has not been shown under the heading of First Professional.

APPENDIX B.

BOMBAY VETERINARY COLLEGE.

Return showing Changes in the Number of Students in 1905-1906.

Class.	Number of Students on 1st April 1905.	Withdrawn.		Entries.		Number of Students on the 31st March 1906.	Remarks.
		Number of Students left the College.	Number of Students transferred.	New entries.	Number of Students transferred.		
Diploma Course.							
Class C	21	18	...	...	13	16	
Do. B	23	4	13	...	25	31	
Do. A	42	12	25	37	...	42	
Total ...	86	34	38	37	38	89	

Parel, Bombay, 31st May 1906.

M. H. SOWERBY, I.C.V.D.,
Ag. Principal, Bombay Veterinary College.

APPENDIX C.

Bombay Veterinary College.

Return showing the Number and Nationality of Students for the year 1905-1906.

Caste	Paying.	Native States, Local Boards and Municipalities.	Government Scholars.	Total.	Remarks.
Class C.					
Hindus	4	2	3	9	
Pársis	2	...	1	3	
Buddhists	1	...	...	1	
Europeans and Eurasians	2	...	...	2	
Native Christians	1	...	...	1	
Total	10	2	4	16	
Class B.					
Hindus	18	3	4	25	
Native Christians	1	...	...	1	
Mahomedans	2	2	1	5	
Total	21	5	5	31	
Class A.					
Hindus	24	13	4	31	
Mahomedans	4	...	1	5	
Native Christians	5	...	...	5	
Pársis	1	...	...	1	
Total	34	3	5	42	
Grand Total	65	10	14	89	

Parel, Bombay, 31st May 1906.

M. H. SOWERBY, I.C.V.D.,
Ag. Principal, Bombay Veterinary College.

APPENDIX D.

Financial Statement of the Bombay Veterinary College for 1905-1906.

Budget Sanction.						Actual Expenditure.					
Heads.	1904-1905.			1905-1906.		Heads.	1904-1905.			1905-1906.	
	Rs.	a.	p.	Rs.	a. p.		Rs.	a.	p.	Rs.	a. p.
From Government Salaries—						Teaching Staff	39,140	13	2	37,755	13 8
Teaching Staff	35,730	0	0	41,325	0 0	Establishment	2,574	8	4	2,784	8 6
Establishment	2,580	0	0	3,156	0 0	Contingent Expenditure ...	1,564	10	0	1,430	0 0
Contingent Expenditure ...	1,228	0	0	1,228	0 0	Scholarships	1,600	0	0	1,610	0 0
Scholarships	1,800	0	0	1,800	0 0	Chemicals, etc.	172	15	1	166	8 6
Chemicals and Apparatus ...	200	0	0	7,200	0 0	Riding Fees	288	0	0	288	0 0
Examiners' Fees	300	0	0	300	0 0	Examiners' Fees	.....			288	0 0
House Rent Allowance ...	1,440	0	0	1,440	0 0	House Rent Allowance	1,440	0	0	1,401	4 8
Books, Periodicals, etc. ...	450	0	0	450	0 0	Travelling Allowance to Officers.	720	8	0	267	6 0
Travelling Allowance to Officers	300	0	0	300	0 0	Furniture and Apparatus and Repairs to Furniture	618	8	6	531	15 3
Furniture and Apparatus ...	394	0	0	394	0 0	Buildings and Repairs	4,900	2	4	1,147	4 11
Buildings and Repairs... ...	4,890	0	0	1,118	0 0	Books and Periodicals	377	6	0	420	7 0
Honorarium to two Assistant Veterinary Officers	900	0	0	900	0 0	Honorarium to two Assistant Veterinary Officers	900	0	0	900	0 0
Charges for Instruction in Dairy Work, Cattle, etc. ...	500	0	0	500	0 0	Rents, Rates and Taxes ...	87	13	1	74	4 11
Rents, Rates and Taxes ...	82	0	0	83	0 0	Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0
Conveyance Allowance to Assistant Professor of Anatomy	180	0	0	180	0 0	Purchase of Implements, etc. ...	750	0	0	.....	
Riding Fees	300	0	0	300	0 0	Excursion charges	.....			230	1 3
Special grant for the purchase of Implements, etc. ...	750	0	0	.....		Total ...	55,315	4	6	49,475	10 8
Excursion charges	.....			500	0 0						
Total ...	52,024	0	0	61,174	0 0						

Note.—The cost of purchase of the new College premises and the building material bought is not shown in the statement. Also the cost of instruments and models obtained from the grant of Rs. 7,200 under the heading of Chemicals and Apparatus is not shown.

Statement of Receipts on account of the College credited to Government.

Heads.	1904-1905.			1905-1906.		
	Rs.	a.	p.	Rs.	a.	p.
Municipal contribution	2,500	0	0	2,500	0	0
Fees from students	3,840	0	0	4,200	0	0
Rent of students' quarters	144	0	0	141	0	0

M. H. SOWERBY, I. C. V. D.,
Acting Principal, Bombay Veterinary College.

Parel, Bombay, 31st May 1906.

APPENDIX E.

Bombay Veterinary College.

Showing the main results of the Veterinary Colleges and Schools during the year ending 31st March 1906.

Veterinary Colleges and Schools.	Name of course of instruction if more than one course followed.	Number of Students: Admitted during the year: Scholarship holders.	Number of Students: Admitted during the year: Paying students.	Number of Students: Passed Final Examination during the year.	Number of Students: Failed to passed Final Examination.	Number of Students: Remaining under instruction at end of year: In ordinary Course.	Number of Students: Remaining under instruction at end of year: Instruction prolonged by reason of failure to pass.	Students admitted during the year, classed by educational qualifications: Matriculated with higher qualifications.	Students admitted during the year, classed by educational qualifications: Knowing some English but not Matriculated.	Students admitted during the year, classed by educational qualifications: Knowing no English or very little English.	Receipts: From fees.	Receipts: From other sources.	Receipts: Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		No.	No.	No.	No.	No.	No.	No.	No.	No.	Rs.	Rs.	Rs.
Bombay Veterinary College.	Diploma Course.	5	32	14	7	75	14	9	28	...	4,200	2,500	6,700
Do. ...	Salutri Course.	...	...	24	1	...	...	...	...	...	...	...	...
Total ...		5	32	38	8	75	14	9	28	...	4,200	2,500	6,700

Veterinary Colleges and Schools.	Expenditure: Salaries of instructing staff.	Expenditure: Other expenses.	Expenditure: Total.	Employment of students who passed out during the three years preceding: Total number passed.	Employment of students who passed out during the three years preceding: In service of Government or local bodies.	Employment of students who passed out during the three years preceding: In service of other bodies or institutions.	Employment of students who passed out during the three years preceding: In private practice.	Employment of students who passed out during the three years preceding: Number unemployed.	Remarks.
1	15	16	17	18	19	20	21	22	23
	Rs. a. p.	Rs. a. p.	Rs. a. p.						
Bombay Veterinary College.	36,755 13 8	11,719 13 0	48,475 10 8	38	18	5	5	*10	* Includes the number in temporary employ.
Do. ...	1,000 0 0	.....	1,000 0 0	67	25	11	...	31	This course has been abolished from the commencement of the Collegiate year, *i. e.*, 1st January 1906.
Total ...	37,755 13 8	11,719 13 0	49,475 10 8	105	43	16	5	41	

M. H. SOWERBY, I. M. V. D.,
Acting Principal, Bombay Veterinary College.

Parel, Bombay, 31st May 1906.

BOMBAY: PRINTED AT THE GOVERNMENT CENTRAL PRESS.

Administration Reports.—

Annual Report of the Bombay Veterinary College for the year 1905-06.

Educational Department.
No. 1667

Bombay Castle,
8th September 1906.

Letter from the Director of Public Instruction, No. 3926, dated the 2nd August 1906.

"With reference to your No. 1368 of July 23rd, 1906, I have the honour to forward herewith the report of the Bombay Veterinary College, Parel, for 1905-06, which was received in this office on 19th ultimo. The report is signed by Mr. Sowerby as Acting Principal at the close of the year, but was submitted by Major Joslen, Acting Principal.

"2. I forward also a letter from the Director of Agriculture, Poona, reviewing the report. I concur generally with Mr. Lawrence's remarks in paragraphs 2 and 3, and I am decidedly of opinion that he is correct in stating that the present condition of the College is far more satisfactory than it was a few years ago. It is, I think, an institution which is steadily improving in numbers and efficiency.

"3. I also support the suggestion of the Director of Agriculture, made in paragraph 4 of his letter, as to the increase of the scholarship allotment. It is most desirable that more students from British districts should join the College, and the number of scholarships now given is very small. Mr. Lawrence's remarks in paragraph 5 refer to the closing portion of paragraph 3 of the report, and it would, I think, be advisable that Government should address the Military authorities on the subject.

"4. From the foot-note to Appendix D it would appear that the sum of Rs. 7,200 granted for chemicals and apparatus was spent, but the actual sum disbursed was not reported by the Accountant General in his statement of receipts and expenditure of the College. It is not, therefore, entered. If the sum of Rs. 7,200 is added to Rs. 49,475-10-8, the total expenditure for 1905-06, the total is Rs. 56,675 out of a Budget allotment of Rs. 61,174. Petty savings are usually made on various items in the Budget and the discrepancy between provision and expenditure is not large.

"5. The Principal of the College and the Director of Agriculture both bring to notice the cordial co-operation of Mr. Doctor, the Secretary of the Hospital, in all the work of the College. I concur in the suggestion that this might be noticed by Government.

"6. I note that of the 14 students who passed the Diploma Examination 8 obtained employment at once, but of these 2 were temporarily employed on rinderpest inoculation duty. Paragraph 5 of the report shows that 10 graduates of the College were without permanent employ, but as the number of district dispensaries increases, the prospects of employment for the graduates of the College will presumably be adequate."

Letter from the Director of Agriculture to the Director of Public Instruction, No. A.—4166, dated the 27th July 1906.

"I have the honour to return the report forwarded with your letter No. 3547, dated 21st July 1906.

"2. The chief feature of the year's work is the purchase of extensive premises adjoining the present College and the commencement of the construction of the new College buildings and the students' hostel thereon. These improvements result from the recommendations of the Conference held in November 1904 and the grant of Rs. 3½ lakhs per annum for agricultural development made by the Government of India. Provision is also being made for the proper equipment of the museum and laboratory. The principal matter that remains for attention is the improvement of the material for training, especially in regard to the educational qualifications to be required of students before admission. It is to be hoped that the proposals which are now under the consideration of the superior authorities for revising and enlarging the service of Veterinary graduates will secure this result. The Principal however reports that some misapprehension exists in regard to these proposals, and it is advisable to ascertain what this misapprehension is and to remove it by a public announcement in the Press.

"3. The number of students who obtained the diploma amounted to 14. A few years ago the average was only 8. The total number of students attending the College now

amounts to 89. The Committee which met in November 1904 estimated that the attendance should approximate 100 and the annual outturn 15. The College is, therefore, approaching the standard anticipated and is in a far more satisfactory condition than it was a few years ago. Of the 89 students one-half only (44) come from the British districts of this Presidency. Of the remainder a fair proportion hold scholarships from Native States.

"4. In 1900 Government sanctioned the grant of 5 scholarships per annum of Rs. 10 each per mensem. At that time the number of students entering the College was about 15. The number of boys sent to the College from up-country districts is far too small, and I have the honour to suggest that Government may be pleased to raise the number of scholarships to 10 per annum and to increase the grant accordingly from Rs. 1,800 per annum to Rs. 3,600. If this is done, the number of students from British districts may be expected to increase and the scholarship-holders may amount to about one-half. Since the average cost to the State of every Veterinary graduate educated exceeds Rs. 3,500, it is advisable to expend a small additional sum in order to secure better material for education.

"The Principal should also address all Collectors annually and invite them to recommend students for scholarships since otherwise the matter is likely to escape the attention of Collectors.

"5. The training of drivers for the Supply and Transport Department should not be allowed to interfere with the teaching of the College, and the Principal may be authorised to refuse admission to men who are not sent to the College at the time arranged for the course, *viz.*, the beginning of April.

"6. I observe that of the Budget allotment of Rs. 61,174 only Rs. 49,475 were expended. It is not clear whether the grant of Rs. 7,200 for chemicals and apparatus was allowed to lapse. The College authorities have from time to time complained of the inadequacy of their grants, and it is true that the College still stands in need of improvement in many ways. The Principal should be instructed to watch carefully the progress of expenditure from his Budget grant and, when savings are expected, to apply for sanction to re-appropriations to other useful purposes. The improvement of the museum and the laboratory is satisfactory.

"7. The co-operation given by Mr. Doctor, Secretary of the Hospital, to the College authorities may be brought to the notice of Government. The efficiency of the College was hampered in the past by unnecessary friction and it is hoped that the cordial relations now established may long continue."

RESOLUTION.—The report shows that the progress made by the College is satisfactory; and Government concur in the favourable opinion expressed by the Directors of Public Instruction and Agriculture.

2. The Director of Public Instruction should submit a separate report to Government on the subject of increasing the allotment for scholarships.

3. It is not understood why a sum of Rs. 7,200 expended on chemicals and apparatus has been omitted from the accounts. All such items of expenditure should find a place in the statements attached to the report in future.

4. Government note with satisfaction the cordial relations subsisting between the College authorities and Mr. Doctor, the Secretary of the Society for the Prevention of Cruelty to Animals, and the Sakarbai Dinshaw Petit Hospital for Animals.

5. The report was due on June 15th. It was not received till August 3rd. The officers concerned should arrange for a more punctual submission of the report in future.

H. O. QUIN,
Secretary to Government.

To

The Director of Public Instruction,
The Accountant General, Bombay,
The Commissioners of Divisions and in Sind,
The Principal, Bombay Veterinary College,
All Collectors, including the Collectors and Deputy Commissioners in Sind,

} With copies of the Report.

The Political Department,	With copies of the Report.
The Agent to the Governor in Kathiawar,	
The Political Agent, Cutch,	
The Political Agent, Kolhapur and Southern Maratha Country,	
The Political Agent, Mahi Kantha,	
The Political Agent, Rewa Kantha,	
The Political Agent, Savantvadi,	
The Political Agent, Palanpur,	
The Political Resident, Aden,	
The Director of Agriculture,	
The Superintendent, Civil Veterinary Department,	
The Principal, College of Science, Poona,	
The Compiler of the General Administration Report,	
The General Department,	
The Revenue Department,	
The Public Works Department,	
The Sanitary Commissioner for the Government of Bombay,	
The Deputy Adjutant General, Western Command, Poona,	
The Editors' Table, Bombay,	
The Editors' Table, Poona,	
The Editor and Proprietor, *Dharwar Vritt* (for his own use and for circulation to other Editors of newspapers in Dharwar),	
The Editors' Table, Belgaum,	
The Editors' Table, Karachi,	
The Municipal Commissioner for the City of Bombay,	
The Superintendent, Government Central Press,	

(With a request that the copies of the Report required by this Department may be sent as soon as possible.)

The President, Municipal Corporation, Bombay,	By letter.
The Secretary to the Society for the Prevention of Cruelty to Animals,	
The Government of India,	
The Inspector General, Civil Veterinary Department,	
The Librarian, Imperial Library, Metcalfe Hall, Calcutta,	
The Reporter on Economic Products to the Government of India.	

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